ICTTA'06

PROGRAM OVERVIEW

SUNDAY, April 23, 2006

ICTTA'06 – REGISTRATION

(14:00 – 18:30)

Monday, April 24, 2006

ICTTA'06 – REGISTRATION   (08:00 – 18:00)

Opening Ceremony (10:30 – 11:30)

INVITED TALK: "On the Road for the economic development of Syria", Dr. Osmane AÏDI, AÏDI Foundation (11:30 – 12:00)

(Room *: Al Khwarizmi*)

	12 : 00 – 13 : 15	13 : 15 – 14 : 30	14 : 30 – 16 : 15	16 : 15 – 16 : 45	16 : 45 – 18 : 45
Room : Al Khwarizmi	*Satellite Workshop:* **eBusiness & eBanking - I - ICA06**		*Satellite Workshop:* **eBusiness & eBanking - II - ICA07**		*Satellite Workshop:* **eBusiness & eBanking - III - ICA08, &** *ROUND TABLE*
Room : Al Biruni	**Medical Imaging – I – IP03**		**Medical Imaging – II – IP04**		**Text Processing, Analysis & Recognition IP10**
Room : Avicenna	**3G & 4G Mobile Communication Services TEL20**		**ICT & Education ICA02**		*Satellite Workshop:* **E–Learning (I) Pedagogy ICA17**
Room : Jabir Ibn Haiyan	*Satellite Workshop:* **ICT Application for People with Dis. & Aging People User perspective ICA25**		*Satellite Workshop:* **ICT Application for People with Dis. & Aging People Intelligent Environments ICA26**		*Satellite Workshop:* **Assistive Technologies ICA27** *ROUND TABLE*
Room : Al Kindi	*Special Session:* **Systems & Requirement Eng. SEN01**	**LUNCH BREAK** (13 : 15 – 14 : 30)	**Optimization Techniques: "Theory and Applications" SEN02**	**COFFEE BREAK** (16 : 15 – 16 : 45)	**Satellite & Space Communications TEL15**
Room : Al Razi	*Satellite Workshop:* **Information Systems – I – ICA12**		*Satellite Workshop:* **Information Systems – II – ICA13**		*Satellite Workshop:* **Information Systems** *ROUND TABLE*
Room : Ibn Al Haytham	*Special Session:* **G/MPLS Networking TEL07**		*Special Session:* **Optical Communications I TEL01**		*Special Session:* **Optical Communications II TEL02**
Room : Omar Al Khayyam	**Decision Support Systems SEN21**		**Knowledge Based Systems SEN20**		

Tuesday, April 25, 2006

ICTTA'06 – REGISTRATION   (08:00 – 18:00)

INVITED TALK: "Telecommunications Policy. A 15 years perspective", *Pr. Antonio ALABAU, Universidad* Politécnica de Valencia, SPAIN (10:45 – 11:15)

(Room *: Al Khwarizmi)*

	08:30 — 10:15	11:15 — 13:00	14:30 — 16:15	16:45 — 18:30
Room: Al Khwarizmi	*Satellite Workshop:* The promise of eHealth for the improvement of healthcare (ICA31)	*Satellite Workshop:* eLearning and electronic Patient Records (ICA32)	*Satellite Workshop:* Patient Information and Empowerment (ICA33)	*Satellite Workshop:* The Business Case–Cost-Benefit Relationhips / Round Table on the Future of ehealth (ICA034)
Room: Al Biruni	Networking – Routing & traffic management SEN11	Wireless Networking and Communication TEL12	Networking – Dedicated techniques & evolution SEN12	Networking – Security SEN13
Room: Avicenna	*Satellite Workshop:* E -Learning (II) Adaptation, Personalization & Collaboration, ICA18	*Satellite Workshop:* E -Learning (III) Services & Infrastructure ICA19	*Satellite Workshop:* E -Learning (IV) Large Scale Experience, ICA20	*Satellite Workshop:* E –Learning (V) Evaluation, ICA21 ROUND TABLE
Room: Jabir Ibn Haiyan	Image Compression & Image Coding IP14	Information Society Issues ICA01	3D Imaging IP02	Data Hiding & Image watermarking IP15
Room: Al Kindi	Digital Communications – Coding TEL10	Digital Communications – Turbo Coding TEL11	Digital Communications Modulation – I – TEL08	Digital Communications Modulation – II – TEL09
Room: Al Razi	Software Architecture, Programming & Quality Assurance SEN04	Agent & Multiagents Systems in ICT – Organization & Behavior SEN08	Agent & Multiagents Systems in ICT – Systems&Applications SEN09	Database Management Systems SEN05
POSTER ROOM: A		*(Poster Session)* Image Applications IP23	*(Poster Session)* Information Processing IP24	*(Poster Session)* Signal Processing Techniques & Applications (IP25)
POSTER ROOM: B		*(Poster Session)* Applications & Services ICA05	*(Poster Session)* Software Engineering Issues SEN24	*(Poster Session)* Mobile & Wireless Networks TEL21

COFFEE BREAK (10:15 – 10:45)

&

Invited Talk (10:45 – 11:15)

LUNCH BREAK (13:00 – 14:30)

COFFEE BREAK (16:15 – 16:45)

Wednesday, April 26, 2006

INVITED TALK: "Automatic Speech Recognition: state of the art", *Pr. Jean-Paul Haton*

Henri-Poincaré University, Nancy 1 – *France*, (10:45 – 11:15)

(Room : *Al Khwarizmi*)

	08 : 30 — 10 : 15	11 : 15 — 13 : 00	14 : 30 — 16 : 15	16 : 45 — 18 : 30
Room : Al Khwarizmi	*Satellite Workshop:* E-Government, The Way Ahead (ICA28) **Experiences**	*Satellite Workshop:* E-Government, The Way Ahead (ICA29) **Models & Analysis**	*Satellite Workshop:* E-Government – The Way Ahead (ICA30) **On-line deliberation**	*Satellite Workshop:* E-Government – The Way Ahead **Round Table**
Room : Al Biruni	**Signal Processing & Applications – I – IP05**	**Signal Processing & Applications – II – IP06**	**Speech Signal Processing – I – IP08**	**Speech Signal Processing – II – IP09**
Room : Avicenna	**Data Mining & Data Fusion IP11**	*Satellite Workshop:* **ICT in Intelligent Transportation Systems – I –, ICA22**	*Satellite Workshop:* **ICT in Intelligent Transportation Systems – II –, ICA23**	*Satellite Workshop:* **ICT in Intelligent Transportation Systems – III –, ICA24**
Room : Jabir Ibn Haiyan	**Software Engineering & Modeling SEN03**	**Computer Science Issues SEN22**	**Parallel Computing SEN18**	**Distributed Systems SEN19**
Room : Al Kindi	**Emerging approaches and technologies IP21**	*Satellite Workshop:* **Multimedia & Webmining (I) ICA14**	*Satellite Workshop:* **Multimedia & Webmining (II) ICA15**	*Satellite Workshop:* **Multimedia & Webmining (III), ICA16, Round Table**
Room : Al Razi	**Communication Systems – I – TEL16**	**Communication Systems – II – TEL17**	**Communication Systems – III – TEL18**	**Communication Systems – IV – TEL19**
Room : Ibn Al Haytham	*Special Sessios:* **MIMO Systems TEL03**	**Antennas & Propagation – I – TEL04**	**Antennas & Propagation – II – TEL05**	*Special Sessios:* **Integrated Wireless Systems and Applications TEL06**
Room : Omar Al Khayyam	**Image Segmentation & Edge detection IP16**	**Image Recognition & tracking IP17**	**Image Enhancement and Indexing IP18**	**Data Management, Data Visualization & Machine Learning IP12**

COFFEE BREAK (10 : 15 – 10 : 45)

&

Invited Talk (10 : 45 – 11 : 15)

LUNCH BREAK (13 : 00 – 14 : 30)

COFFEE BREAK (16 : 15 – 16 : 45)

Thursday, April 27, 2006

INVITED TALK: "Emerging Wireless Access Technologies", *Pr. Ghais El Zein*

Institute of Electronics and Telecommunications of Rennes- France *(10:45 – 11:15)*

(Room : *Al Khwarizmi)*

	08 : 30 — 10 : 15	11 : 15 — 13 : 00	14 : 30 — 18 : 00
Room : *Al Khwarizmi*	**Remote Sensing: New Trends & Applications – I – ICA09**	**Remote Sensing: New Trends & Applications – II – ICA10**	**Remote Sensing: New Trends & Applications – III – ICA11**
Room : *Al Biruni*	**QoS - Management SEN14**	**QoS – Case applications & new approaches SEN15**	**Information Security & Data Protection SEN16**
Room : *Avicenna*	**Networking – Control managment SEN10**	**Ad-Hoc Networks TEL14**	**Mobile Communications & Cellular Networks TEL13**
Room : *Jabir Ibn Haiyan*	**Speech Recognition IP07**	*Special Session:* **Biometrics and cryptography IP01**	**Information-Image indexing & retrieval IP22**
Room : *Al Kindi*	**Multimedia: Techniques & Applications – I – SEN06**	**Multimedia: Techniques & Applications – II – SEN07**	**Web Engineering & Application SEN17**
Room : *Al Razi*	**Fuzzy & Evolutionary Information Processing IP20**	**ANN & Information Processing IP19**	**Dynamic System & Fuzzy logic control IP13**
Room : *Ibn Al Haytham*	**(*Special Session*) M-Commerce Systems & Applications – I – ICA03**	**(*Special Session*) M-Commerce Systems & Applications –II– ICA04**	**Immersive visualisation& interaction: Usability, design & applications SEN23**

COFFEE BREAK (10 : 15 – 10 : 45) & Invited Talk (10 : 45 – 11 : 15)

LUNCH BREAK (13 : 00 – 14 : 30)

ICT – Applications

ICA01:   **Information Society Issues**

ICA02:   **ICT & Education**

ICA03:   **M-Commerce Systems and Applications (*Special Session*) – I –**

ICA04:   **M-Commerce Systems and Applications (*Special Session*) – II –**

ICA05:   **Applications & Services (*Poster Session*)**

SATELLITE WORKSHOPS

E-Business & E-Banking

ICA06: E-Business & E-Banking – I –

ICA07: E-Business & E-Banking – II –

ICA08: E-Business & E-Banking – III –

Remote Sensing: New Trends & Applications

ICA09: Remote Sensing: New Trends & Applications – I –

ICA10: Remote Sensing: New Trends & Applications – II –

ICA11: Remote Sensing: New Trends & Applications – III –

Information Systems

ICA12: Information Systems – I –

ICA13: Information Systems – II –

Multimedia & Webmining

ICA14: Multimedia & Webmining – I –

ICA15: Multimedia & Webmining – II –

ICA16: Multimedia & Webmining – III –

E-Learning

ICA17: E-Learning: Pedagogy

ICA18: E-Learning: Adaptation, Personalization & Collaboration

ICA19: E-Learning: Services & Infrastructure

ICA20: E-Learning: Large Scale Experience

ICA21: E-Learning: Evaluation

ICT in Intelligent Transportation Systems

ICA22: ICT in Intelligent Transportation Systems - I -

ICA23: ICT in Intelligent Transportation Systems - II -

ICA24: ICT in Intelligent Transportation Systems - III -

ICT Application for People with Disabilities & Aging People

ICA25: User perspective

ICA26: Intelligent Environments

ICA27: Assistive Technologies

E-Government – The Way Ahead   **ICA28: E-Government Experiences**

ICA29: E-Government: Models & Analysis

ICA30: On-line deliberation

E-Health   **ICA31: Introduction & Intersectoral Issues**

ICA32: eLearning and electronic Patient Records

ICA33: Patient Information and Empowerment

ICA34: Telematic Networks and Telemedicine Applications

ICA01: Information Society Issues   **(Tuesday, April 25, 11:15 – 13:00)**

Co-Chairs: **Pr. Wael Mualla**   **Pr. Habib Hamam**

            Damascus University, SYRIA   **University of Moncton, CANADA**

1. ICTTA215: "**Straightforwardly Extendible Web-Based Simulator of Communication Chains**", H. Hamam, Electrical Engineering, Faculty of Engineering, University of Moncton, Moncton NB, *CANADA*

2. ICTTA943: "**The role of computer modelling and E-Engineering in Civil, structural and geotechnical engineering**", P. Esper, EBI Engineering Ltd, London, *UK* (*Invited Paper*)

3. ICTTA132: "**A Crop Breeder's Decision Support System for Sudan**", K. Siddig, M. E. Yahia, and S. Bauer, Justus-Liebig-University Giessen, Institute of Agricultural and Food Systems Management, Hessen, *GERMANY*

4. ICTTA070: "**Fixed-mobile Convergence: Creating Values with Appropriate Business Models in Asia Pacific**", C. C. Wong, A. L.Y. Low, and P. L. Hiew, British Telecomm. plc (Asian Research Centre), Selangor, *MALAYSIA*

5. ICTTA887: "**ICT Leadership communication and its relation to motivation**", S. Bin-Zain, Faculty of Business & Economics, University Pendidikan Sultan Idris, 35900 Tanjong Malim, Perak, *MALAYSIA*

6. ICTTA883: "**A Design Pattern Management Tool for Educational Purposes**", K. S. Tahat, A. N. Al-Ahmad, N. B. Kallajo, and W. B. Al-Jayyousi, Faculty of Information Technology, Hashemite University, Zarka, *JORDAN*

ICA02:   **ICT & Education**   **(Monday, April 24, 14:30 – 16:15)**

Co-Chairs: **Dr. Athanasios Drigas**   **Dr. Najib Abd Alwahed**

            Net Media Lab, GREECE   **Deputy Minister of Higher Education, SYRIA**

1. ICTTA526: "**Development of asynchronous e-learning systems with the use of Java technology**", A. S. Drigas, A. Tagoulis, and J. Vrettaros, Net Media Lab - N.C.S.R. Demokritos, Athens, Attica, *GREECE*

2. ICTTA227: "**Online Development of Digital Design Course**", M. Mohandes, M. Dawoud, S. Al Amoudi, and A. Abul-Hussain, Electrical Engineering Department, KFUPM, Dhahran, *KSA*

3. ICTTA355: "**Education using face-to-face and remote approaches within a linguistically minority environment**", M. Ben-Ammar, H. Hamam, and Y. Bouchamma, University of Moncton, Moncton NB, *CANADA*

4. ICTTA510: "**Collaborative Aspects in the Administration of an e-Learning Platform**", L. Mahdaoui, and Z. Alimazighi, Faculté d'Electronique et Informatique, Algiers, *ALGERIA*

5. ICTTA134: "**Higher Education in Sudan and Knowledge Management Applications**", N. W. G. Amin, Documentation and Information Centre, National Centre for Research, Khartoum, *SUDAN*

6. ICTTA663: "**Designing educational systems for use: case study of Tunisian Primary Schools**", N. Elleuch, N. Bellamine-Bensaoud, and M. Ben-Ahmed, Laboratory RIADI-GDL, ENSI, University of La Manouba, *TUNISIA*

ICA03: M-Commerce Systems and Applications (*Special Session*) – I –   **(Thursday, April 27, 08:30 – 10:15)**

Chair: **Dr. Paul Coulton**

        Infolab21, Lancaster University, Lancaster, UK

1. ICTTA575: "**The Transition from the Culture of Electronic (E) Business to that of Mobile (M) Business: An Educational Perspective**", B. Dudin, P. Coulton, and R. Edwards, Lancaster University, *UK* (*Invited Paper*)

2. ICTTA073: "**Verifying Spam SMS by Arabic CAPTCHA**", M. Shirali-Shahreza, Computer Science Department, Sharif University of Technology, Tehran, *IRAN*

3. ICTTA084: "**Comprehensive distribution: a new ethos for effective e-development**", H. C. Huang, and Ch. Khirallah, Communication Systems Dept., Lancaster University, *UK*

4. ICTTA261: "**Java-based Public Key Infrastructure for SMS messaging**", M. Hassinen, Department of Computer Science, University of Kuopio, Kuopio, *FINLAND*

5. ICTTA675: "**Designing a programming package connects PC to Nokia Cellular phones**", H. E. Al-Jammal, R. Kouatly, and M. S. Safadi, Ericsson RF Optimisation Cons. Eng., Damascus, *SYRIA*

ICA04: M-Commerce Systems and Applications (*Special Session*) – II – (Thursday, April 27, 11:15 – 13:00)

Chair: Dr. Paul Coulton

Infolab21, Lancaster University, Lancaster, UK

1. ICTTA210: "**Advances in 3D Graphics for Smartphones**", F. Chehimi, P. Coulton, R. Edwards, Department of Communication Systems, Lancaster University, *UK*

2. ICTTA695: "**Mobile Positioning Technique using Signal Strength Measurement method with the aid of Passive Mobile Listener Grid**", M. Al Hallak, M. S. Safadi, and R. Kouatl, Damascus University, Damascus, *SYRIA*

3. ICTTA219: "**Location-based Mobile Blogging**", W. E. Bamford, P. Coulton, R. Edwards, Department of Communication Systems, Lancaster University, *UK*

4. ICTTA706: "**Integration of remote appliance control networks and its implementation**", C.S. Tsai, and B. F. Shen, Tatung University, *TAIWAN*

ICA05: Applications & Services (*Poster Session*) (Tuesday, April 25, 11:15 – 13:00)

Co-Chairs: Pr. Mohsen Sharifi Dr. Nizar Zarka

Iran Univ. Science & Technology, IRAN HIAST, Damascus, SYRIA

1. ICTTA203: "**Using a Platform for Teaching of Technology**", M.N. Lakhoua, L. Maalej, and M. Annabi, ESSTT, Montfleury, *TUNISIA*

2. ICTTA221: "**Analysis of the GPS acquisition environment: indoors and outdoors**", H. A. El Natour, A. C. Escher, Ch. Macabiau, and M. L. Boucheret, Elec Dpt., ENAC Toulouse, Toulouse, *FRANCE*

3. ICTTA322: "**Treatment of LESIMS depth profiles: a procedure for eliminating the roughness effect**", F. Boulsina, M. Berrabah, F. Hamdi, and J. C. Dupuy, Université Mentouri de Constantine, Constantine, *ALGERIA*

4. ICTTA334: "**Defeat the Network Attack by using Active Networks approach**", A. Eddaoui, and A. Mezrioui, Département Informatique, FSTM, Mohammedia, *MOROCCO*

5. ICTTA346: "**Intelligent system for the detection of buried objects based on Whu-Stuktures using metal detector**", T. Hadj-Hamma, M. Reuter, and S. Harneit, Cutec GmbH, Clausthal-Zellerfeld, *GERMANY*

6. ICTTA404: "**Proposal of a new variant resolution function adapted to the low energies in SIMS**", M. Berrabah, F. Hamdi, F. Boulsina, and J. C. Dupuy, Université de Mentouri Constantine, Constantine, *ALGERIA*

7. ICTTA420: "**Implementing Intelligent Network Services in VoIP application with SIP, TRIP and ENUM**", A. Handoura, and D. Bourget, Ecole Nationale Supérieure des Télécommunications de Bretagne, Brest, *FRANCE*

8. ICTTA494: "**Adaptive Fuzzy Sliding mode Controller for Induction Motor Control**", I. K. Bousserhane, A. Hazzab, and M. Rahli, University Center of Bechar, *ALGERIA*

9. ICTTA501: "**Shock posture for shape retrieval**", Nooritawati Md Tahir, H. Aini, A. S. Salina, H. Hafizah, and J. Mohd-Yusof, Faculty of Engineering, Universiti Kebangsaan Malaysia, Selangor DE, *MALAYSIA*

10. ICTTA529: "**Combined simulation of sun radiation and evaporation in a solar seawater desalination**", V. Koroupskaite, T. Hadj-Hamma, M. Reuter, and S. Harneit, Cutec GmbH, Leibniz, *GERMANY*

11. ICTTA592: "**Application of a nonlinear dynamic method in the analysis of the HRV towards clinical application: Tiresome diagnosis**", G. Kheder, A. Kachouri, M. Ben-Messoued, and M. Samet, GE Dpt, LETI/ENI Sfax, Sfax, *TUNISIA*

12. ICTTA674: "**Scenario Engineering, some Lessons learned**", M. Elkoutbi, A. Jakimi, R. K. Keller, and E. Badidi, École Nationale Supérieure d'Informatique et d'Analyse des Systèmes, Agdal, Rabat, *MOROCCO*

13. ICTTA677: "**Memo, a New Approach to mobile data management**", E. Eskandari, A. Asghar Safaeei, and M. Haghjoo, Iran University of Science and Technology, Tehran, *IRAN*

14. ICTTA743: "**Adaptive User Interface Design In Multimedia Courseware**", Zurina Muda, Ros Emiliana Kartina Mohamed, Faculty of Information Science & Technology, University Kebangsaan *MALAYSIA*

15. ICTTA769: "**A Local Transaction Service Model for CORBA Collocated Components**", M. Ghaem Tajgardoon, M. Sharifi, and M. H. Tajgardoon, Computer Engineering Department, Iran University of Science and Technology, *IRAN*

16. ICTTA864: "**Modeling of a capacitive pressure sensor using artificial neural networks**", M. L. Hafiane, Z. Dibi, L. Saidi, and A. Hafiane, Laboratoire d'Electronique Avancée, Département d'Electronique, Université de Batna, *ALGERIA*

17. ICTTA878: "**A reactive architecture for attack traceback**", A. Fadlallah, and A. Serhrouchni, Ecole Nationale Supérieure des Télécommunications, Computer Science and Network department, Paris, *FRANCE*

18. ICTTA906: "**A New Automatic Approach for Edge Detection of Skin Lesion Images**", K. Taouil, N. Ben-Romdhane, and Med S. Bouhlel, Higher Institute of Biotechnology, Sfax, *TUNISIA*

19. ICTTA522: "**Optimal Routing for Solid Waste Collection in Cities by Using Genetic Algorithm**", I. Von Poser, and A. R. Awad, Ingenierurtechnik, Merck KGaA, Frankfurter, Darmstadt, *GERMANY*

SATELLITE WORKSHOP: "E-Business & E-Banking"

Dr. Ammar Jukhadar

Faculty of Information Techology, University of Damascus, Damascus, SYRIA

ICA06: E-Business & E-Banking – I – (Monday, April 24, 12:00 – 13:15)

Co-Chairs:	Dr. Ammar Jukhadar	Dr. Duried Dorgam
	University of Damascus, SYRIA	Syrian Commercial Bank, SYRIA

1. ICTTA164: "**Distributed Information System for Supply Chain Integration**", Mayyad Jaber, Youakim Badr, and Frederique Biennier, Laboratoire LITA, PRISMa, INSA-Lyon, Villeurbanne, *FRANCE*

2. ICTTA086: "**Securing online shopping using biometric personal authentification and steganography**", Hussam Ud-Din Ihmaidi**,** Ahmed Al-Jaber, and Amjad Hudaib, ITC, Royal Scientific Society, Amman, ***JORDAN***

3. ICTTA092: "**Process-Based Entrprise Architecture Building**", Ghassan Callas**,** CSC Computer Sciences Corporation, Paris, *FRANCE*

4. ICTTA117: "**Towards a framework for the assessment of online store product catalogs**", S. N. Junaini, Faculty of Computer Science & Information Technology University Malaysia Sarawak, *MALAYSIA*

5. ICTTA184: "**Competencies and training needs in the IST in SYRIA and Mediterranean Countries**", Bassam Kurdy, MEDFORIST Project, HIAST, *SYRIA*

ICA07: E-Business & E-Banking – II – (Monday, April 24, 14:30 – 16:15)

Co-Chairs:	Dr. Duried Dorgam	Dr. Ammar Jukhadar
	Syrian Commercial Bank, SYRIA	University of Damascus, SYRIA

1. ICTTA446: "**Quality Assurance**", Ammar Joukhadar, Mhd. Abou Zliekha, Samer Al-Moubayed, and Bashar Awad, Information Technology Faculty, Damascus University, *SYRIA* (*Invited Paper*)

2. ICTTA399: "**Business/IT- Alignment for Customer relationship management** in the **Telecommunications Industry: Framework and Case Study**", Shensly Tromp, Johan Versendaal, Ronald Batenburg, and W. Van Duikerken, Tromp Pricewaterhouse Coopers, *HOLLAND*

3. ICTTA225: "**Using Intelligent Agents in Conjunction With Heuristic Model for Negotiating ebXML CPP**", Ouassila Hioual, and Zizette Boufaida, LIRE Laboratory, Mentouri University of Constantine, Constantine, *ALGERIA*

4. ICTTA156: "**Secure multi-party computation problem for distributed electronic contract management**", Francine Herrmann, Djamel Kkadraoui, and Yann Lanuel, Laboratoire LITA, Université de Metz (UFR MIM), Metz, *FRANCE*

5. ICTTA607: "**Digital Libraries: From Process Modelling to Grid-based Service Oriented Architecture**", Zaheer Abbas Khan, Mohammed Odeh, and Richard McClatchey, University of the West of England, Coldharbour Lane, Frenchay, Bristol, *UK*

6. ICTTA608: "**A Multi-Agent Experience Based e-Negotiation System**", Irina Serguievskaia, Hasan Al-Sakran, and Jalal O. Atoum, IT College, Yarmouk University, *JORDAN*

7. ICTTA787: "**A Grid Based Specifications of ebXML**", Bahareh Rahmanzadeh Heravi, and Mohammadreza Razzazi, Amirkabir University of Technology, Hafez Avenue, Tehran, *IRAN*

ICA08: E-Business & E-Banking – III – (Monday, April 24, 16:45 – 17:30)

Co-Chairs:	Dr. Ammar Jukhadar	Dr. Osama Al-Ansari
	University of Damascus, SYRIA	NOSSTIA, SYRIA

1. ICTTA818: "**NENO process: Information systems arbitration process in Enterprise Architecture Project**", Emmanuel Papadacci-Stephanopoli, Camille Salinesi, and Colette Rolland, Centre de Recherche en Informatique, Université de Paris 1 Panthéon Sorbonne, Paris, *FRANCE*

2. ICTTA385: "**The sale of computer equipment online: Studying the IBM case**", Thouraya Ben Saad, and Abdelfattah Triki, Unité de recherche en Marketing Relationnel, Institut Supérieur de Gestion, *TUNISIA*

3. ICTTA614: **"Outsourcing of IT Services and Its Affect On IT Development in Iran**", F. Noroozi, F. Ayazi, Z. Abbasi, H. Khodaband, K. Ahmadi, and K. Abbasi, Iran Telecommunication Research Center, IT department, North Kargar, Tehran, *IRAN*

Satellite Workshop Round Table Pannel Discussion: **(Monday, April 24, 17:30 – 18:45)**

INVITED KEYNOTE, Dr. Duried Dorgam, Syrian Commercial Bank, General Director, SYRIA

Round Table Chair: **Dr. Duried Dorgam**
       Syrian Commercial Bank, General Director, SYRIA

Participants:

       Dr. Osama Al-Ansari, NOSSTIA, SYRIA

       Dr. Rateb Shallah, Chairman, Syrian Chamber of Commerce

       Dr. Ammar Jukhadar, Damascus Univ., SYRIA

SATELLITE WORKSHOP: "Remote Sensing: New Trends & Applications"

Pr. Ziad Belhadj   **Dr. Mohammad Rukieh**
Ecole Supérieure des Communications   **General Organization of Remote Sensing**
de Tunis, (SUP'COM), TUNISIA   **(GORS), Damascus, SYRIA**

ICA09: Remote Sensing: New Trends & Applications – I –   **(Thursday, April 27,   08:30 – 10:15)**
       Co-Chairs: **A. Benazza-Benyahia**   **Dr. Faouzi Habash**
       SUP'COM, TUNISIA   **GORS, Damascus, SYRIA**

1. ICTTA740: **"A novel content preserving watermarking scheme for multipectral images**", Insaf Kbaier, and Zied Belhadj, URISA, Ecole Supérieure des Communications de Tunis, *TUNISIA* (*Invited Paper*)

2. ICTTA023: **"Use of the data satellite, weather and expert knowledge for prevention and management of the acridien risk"**, Moussa Karoui**, National Centre of Space Techniques, Remote Sensing Division, *ALGERIA*

3. ICTTA101: **"Evidential reasoning based classifier combination for an optimal remote Sensing image classification"**, Salim Chitroub**, Electronics and Computer Science Faculty, U. S. T. H. B., El-Alia, Bab-Ezzouar, Algiers, *ALGERIA*

4. ICTTA318: **"InSAR Coherence Histogram Analysis for Land Cover Classification"**, Riadh Abdelfattah, and Jean Marie Nicolas, SUP'COM Tunis, El Ghazala Ariana, *TUNISIA*

5. ICTTA468: **"Unsupervised multispectral image classification using artificial ants**", Radja Khedam, N. Outemzabet, Y. Tazaoui, and Aichouche Belhadj-Aissa, University of Science and Technology Houari Boumediene, USTHB, Algiers, *ALGERIA*

6. ICTTA356: **"Plant Spectral Signatures as Growth Stress Indicators"**, Rumiana Kancheva, and Denitsa Borisova, Remote Sensing Dpt., Solar-Terrestrial Influences Laboratory - BAS, Sofia, *BULGARIA*

7. ICTTA267: **"LANDSAT ETM+ Satellite Images Analysis and Land Cover Map of Agadir Region (Morocco)"**, S. Idbraim, D. Mammass, and D. Aboutajdine, IRF – SIC, Faculté des Sciences d'Agadir, Hay Dakhla, Agadir, *MOROCCO*

ICA10: Remote Sensing: New Trends & Applications – II –   **(Thursday, April 27, 11:15 – 13:00)**
       Co-Chairs: **Pr. Salim Chitroub**   **Dr. Riadh Abdelfattah**
       U. S. T. H. B., Algiers, ALGERIA   **SUP'COM, TUNISIA**

1. ICTTA392: **"Advanced Infrastructure for Enabling Collaborative Research in a Wide Area Network**", Paolo Mazzetti, Tiziana Simoniello, Maria Lanfredi, Francesca Macchiato, Stefano Nativi, Lorenzo Bigagli, and Vincenzo Cuomo, Institute of Methodologies for Environmental Analysis (IMAA), CNR Contrada Santa Loja, Tito Scalo (PZ), *ITALY*

2. ICTTA466: **"A contextual segmentation of sea SAR images to detect dark spots in Mediterranean Sea**", Bahia Lounis, and Aichouche Belhadj-Aissa, University of Science and Technology Houari Boumediene, USTHB, Algiers, *ALGERIA*

3. ICTTA846: "**Lossless coding of polarimetric SAR images for telebrowsing applications**", M.H. Gharbia, and A. Benazza-Benyahia, Ecole Supérieure des Communications de Tunis (SUP'COM), *TUNISIA*

4. ICTTA469: "**Improvement of land-cover map from satellite imagery using DST and DSmT**", Radja Khedam, Abdenour Bouakache, Grégoire Mercier, and Aichouche Belhadj-Issa, Univ. Science & Tech. Houari Boumediene, Algiers, *ALGERIA*

5. ICTTA477: "**Combination of PoInSAR coherence optimisation to vector filtering tested on a forested area**", Mounira Ouarzeddine, Aichouche Belhadj-Aissa, and B. Souissi, LTIR, Faculty of Electronics, Algiers, *ALGERIA*

6. ICTTA478: "**Target detection and characterisation using H/alpha decomposition and polarimetric signatures**", Mounira Ouarzeddine, B. Souissi, and Aichouche Belhadj-Aissa, LTIR, Faculty of Electronics, Algiers, *ALGERIA*

ICA11: Remote Sensing: New Trends & Applications – III –　　　　　**(Thursday, April 27, 14:30 – 16:30)**
　　　　　Co-Chairs:　　　**Pr. Ziad Belhadj**　　　　　　**Dr. Mohammad Rukieh**
　　　　　　　　　　SUP'COM, TUNISIA　　　　　　**GORS, Damascus, SYRIA**

1. ICTTA553: "**Monitoring the Environmental Changes in Damascus GHOTA between 1989 and 2001 Using Remote Sensing Techniques and Geographic Information System (GIS)**", M. Rukieh, H. Dabbit, and A. Yaghi, GORS, Damascus, *SYRIA*

2. ICTTA550: "**A neural network approach for the inversion of multi-scale roughness parameters and soil moisture**", L. Bennaceur Farah, I. R. Farah, R. Bennaceur, Z. Belhadj, and R.Boussema, SUP'COM Tunis, El Ghazala Ariana, *TUNISIA*

3. ICTTA680: "**Forest Fires Smoke Detection from SeaWiFS Data Sensor: Case of Algerian Coast**", Abdelatif Hassini, Nouredine Benabadji, Nouredine Hassini, and Ahmed Hafid Belbachir, Univ. Science & Technology, Oran, *ALGERIA*

4. ICTTA754: "**Multitemporal SAR interferograms simulator**", Chaabane Ferdaous, Florence Tupin, and Henri Maître, URISA, SUP'COM Tunis, El Ghazala Ariana, *TUNISIA*

5. ICTTA926: "**Remotely sensed image segmentation by nonlinear correlation**", Mounir Salhi, Amin Kallel, Dorra Sellami Masmoudi, and Nabil Derbel, Ecole Nationale d'Ingénieurs de Sfax, Sfax, *TUNISIA*

6. ICTTA558: "**Design and Implementation of Classification System for Satellite Images based on Soft Computing Techniques**", Nabeel Hashem Kaghed, Tawfiq A. Abbas, and Samaher Hussein Ali, University of Babylon, *IRAQ*

7. ICTTA554: "**Application of remote sensing and GIS techniques for land degradation monitoring in the Syrian coastal areas**", Mohammad Al-Abed, GORS, Damascus, *SYRIA*

8. ICTTA567: "**Geoenvironmental studies and mapping of selected regions of Syria using remote sensing methods**", Abed. Almajeed Alkafry, GORS, Damascus, *SYRIA*

Satellite Workshop Round Table Pannel Discussion:　　　　　**(Thursday, April 27, 16:45 – 18:00)**

INVITED KEYNOTE, Dr. Mohammad Rukieh, General Organization of Remote Sensing, (GORS), General Director, Damascus, SYRIA

Round Table Co-Chairs:　　　**Pr. Ziad Belhadj**　　　　**Dr. Mohammad Rukieh**
　　　　　　　　　　SUP'COM, Tunisia　　　　**General Organization of Remote Sensing**
　　　　　　　　　　　　　　　　　　General Director, Damascus, SYRIA

Participants:
　　　Pr. Salim Chitroub, U. S. T. H. B., Algiers, ALGERIA
　　　Dr. Faouzi Habash, GORS, Damascus, SYRIA
　　　Pr. D. Mammass, IRF – SIC, Faculté des Sciences d'Agadir, Agadir, MOROCCO

SATELLITE WORKSHOP: "Information Systems"

Dr. Mahmoud Agha

University of Gävel, Consulting Groupe AGICS, "Geoinfo Consulting", SWEDEN

ICA12: Information Systems – I –   **(Monday, April 24, 12:00 – 13:15)**

Co-Chairs: Dr. Mahmoud Agha   Dr. Ghassan Fallouh

University of Gävel, SWEDEN   Syrian Computer Society, SYRIA

1. ICTTA109: "**INIS national center in Syria**", Raed Aa-Hallack, Atomic Energy Commission, Damascus, *SYRIA*

2. ICTTA206: "**State of the Art of Strategic Planning**", M.N. Lakhoua, T. Ben Jouida, and M.Annabi, ESSTT, Montfleury, *TUNISIA*

3. ICTTA140: "**Integrating IT certification into an information system course**", Akram Al-Rawi, Azzedine Lansari, and Faouzi Bouslama, College of Information Systems, Zayed University, Abu Dhabi, *UAE*

4. ICTTA085: "**A multiagent Negotiation frmaework in resource bounded envirnments**", Tagelsir Mohamed Gasmelseid, Sudan International University, Khartoum, *SUDAN*

5. ICTTA008: "**The relationships between the extent of information systems adoption and service performance in the public hospital in Malaysia**", Suhaiza Zailani, and Hanizan Zalazilah, University Sains Malaysia, *MALAYSIA*

ICA13: Information Systems – II –   **(Monday, April 24, 14:30 – 16:00)**

Co-Chairs: Dr. Ghassan Fallouh   Dr. Mahmoud Agha

Syrian Computer Society, SYRIA   University of Gävel, SWEDEN

1. ICTTA207: "**Approach of analysis of methods SA, SADT and SART**", M.N. Lakhoua, and M.Annabi, ESSTT, Montfleury, *TUNISIA*

2. ICTTA233: "**Dynamic Reports in Administrative Applications**", Mohammed Said Desouki, Informatics Dept., HIAST, Damascus, *SYRIA*

3. ICTTA345: "**Knowledge Management Partnership for Development In Developing countries: Case of Sudan**", Rafaa Ashamallah Ghobrial, National Centre for Research, Ministry of Science and Technology, Khartoum, *SUDAN*

4. ICTTA370: "**A Field Wireless Network for Control and Data Collection**", George Georgiev, Doyno Petkov, and Hristo Nikolov, Remote Sensing Dpt, Solar-Terrestrial Influences Laboratory - BAS, Sofia, *BULGARIA*

5. ICTTA527: "**Multi-Check-Out timestamp order technique (MCTO) for planned disconnections in mobile database**", Ziyad Tariq Abdul-Mehdi, Ali Bin Mamat, Hamidah Ibrahim, and Mustafa. M. Dirs, Multimedia University, Melaka, *MALAYSIA*

Satellite Workshop Round Table Pannel Discussion: **(Monday, April 24, 16:45 – 18:45)**

INVITED KEYNOTE, Dr. Ghassan Fallouh, Syrian Computer Society (SCS), Damascus, SYRIA

Round Table Co-Chairs: Dr. Ghassan Fallouh   Dr. Mahmoud Agha

Syrian Computer Society, SCS, SYRIA   University of Gävel, SWEDEN

Participants:

Dr. Amre Al Armanazi, CERS, General Director, Damascus, SYRIA

Pr. Mohamad Ben-Ahmed, ENSI, TUNISIA

Pr. Jean Paul Haton, LORIA, FRANCE

SATELLITE WORKSHOP: "Multimedia & Webmining"

Pr. Franck Ghitalla

University of Technology of Compiègne, Compiègne, FRANCE

ICA14: Multimedia & Webmining – I –   **(Wednesday, April 26, 11:15 – 13:00)**

       Co-Chairs: **Pr. Franck Ghitalla**   **M. Nabil Debes**

                           UTC, Compiègne, FRANCE   **Deputy Minister of Information, SYRIA**

1. ICTTA258: "**Improving the Ranking Capability of the Hyperlink Based PageRank Algorithm Using Heuristic Approach**", Haider A. Ramadhan, and Khalil Shihab, Department of Computer Science, Sultan Qaboos University, Khodh, **OMAN**

2. ICTTA289: "**Automated Metadata Hierarchy Derivation**", Amjad Abou Assali, and Hugo Zanghi, Département de Génie Informatique, Université de Technologie de Compiègne (UTC), Compiègne, **FRANCE**

3. ICTTA306: "**What about the text? Modelling global expressiveness in speech synthesis**", Ioana Suciu, Ioannis Kanellos, and Thierry Moudenc, GET/ENST Bretagne, LUSSI department, Brest, **FRANCE**

4. ICTTA335: "**A Method for Information Extraction from the Web**", Gilles Nachouki, LINA, Université de Nantes, Nantes, **FRANCE**

5. ICTTA439: "**OWL-Based Approach for Semantic Interoperating and Accessing Heterogeneous XML Sources**", Nang Tom Hawm Saw, University Of Computer Studies, Yangon, **MYANMAR**

6. ICTTA765: "**A Budget Travel Planning System Using Ontologies for Web Information Aggregation**", Yan Yang, Shengqun Tang, Youwei Xu and Yang Xu, State Key Lab of Software Engineering, Wuhan University, Wuhan, Hubei, **P.R. CHINA**

ICA15: Multimedia & Webmining – II –   **(Wednesday, April 26, 14:30 – 16:15)**

       Co-Chairs: **Pr. Franck Ghitalla**   **M. Nabil Debes**

                           UTC, FRANCE   **Deputy Minister of Information, SYRIA**

1. ICTTA460: "**Novel Method for Improving web text classifiers performance through machine learning**", Parham Moradi, Ahmad Abdollahzadeh, and M. I. Shiri, Amirkabir University of Technology, Tehran Poly technique, **IRAN**

2. ICTTA670: "**Restricting acces to video resources and hypermedia documents in Adaptative Environment**", Virginie Sans, and Adlen Ksentini, ETIS, CNRS 8056, ENSEA/UCP, Cergy-Pontoise, **FRANCE**

3. ICTTA488: "**Adaptation and Optimisation of Pedagogical Paths by Algorithm of Ants**", A. Dahbi, N. Elkamoun, and A. Berraissoul, University Chouaib Doukkali, El Jadida, **MOROCCO**

4. ICTTA671: "**Sequence mining over ARM Hypermedia presentations**", Virginie Sans, ETIS, CNRS 8056, ENSEA/UCP, Cergy-Pontoise, **FRANCE**

5. ICTTA647: "**Measuring Geospatial Semantic Similarity between Geospatial Entity Classes**", Kay Khaing Win, and Khin Haymar Saw Hla, University Of Computer Studies, Yangon, **MYANMAR**

6. ICTTA717: "**Presentation Level Integration of Portal Personalized Architecture**", Ingyin Oo, University of Computer Studies, Yangon. Yangon, **MYANMAR**

ICA16: Multimedia & Webmining – III –   **(Wednesday, April 26, 16:45 – 17:30)**

       Co-Chairs: **Pr. Mohamad Ben-Ahmed**   **Pr. Franck Ghitalla**

                           ENSI, TUNISIA   **UTC, Compiègne, FRANCE**

1. ICTTA817: "**Two Visions of the Web: from Globality to Localities**", Fabien Pfaënder, Mathieu Jacomy and Guilhem Fouetillou, COSTECH Laboratory, UTC Compiègne, **FRANCE**

2. ICTTA285: "**Additional Functionalities to SOAP, WSDL and UDDI for a better Web Services administration**", Assia Ben Shil, and Mohamed Ben Ahmed, RIADI Laboratory, National school of computer science University of Manouba, Manouba, **TUNISIA**

3. ICTTA637: "**Multilingual Web Documents: the system Hyperling**", Nguyen Tuan Dang, and Khaldoun Zreik, GREYC, University of Caen, **FRANCE**

Satellite Workshop Round Table Pannel Discussion: **(Wednesday, April 26, 17:30 – 19:30)**

INVITED KEYNOTE: **"Data Mining, local vision", M. Hussain Al-Ibrahim, Mouhib Al-Noukkary, and Tamam Khodre, SYRIA**

Round Table Chair: **Dr. Mohsen Bilal**
                       Syrian Minister of Information, SYRIA

Participants:

    Pr. Franck Ghitalla, UTC, Compiègne, FRANCE

    M. Nabil Debes, Deputy Minister of Information, SYRIA

    Pr. Mohamad Ben-Ahmed, ENSI, TUNISIA

    M. Hussain Al-Ibrahim, SYRIA

    Pr. Khaldoun Zreik, University of Caen, FRANCE

SATELLITE WORKSHOP: "E-Learning"

Pr. Yvon Kermarrec
GET / ENST Bretagne, Brest, FRANCE

ICA17: E-Learning: Pedagogy   **(Monday, April 24, 16:45 – 17:45)**

    Co-Chairs: **Pr. Yvon Kermarrec**   **Dr. Anas Tarah**
                       GET / ENST Bretagne, Brest, FRANCE   **SVU, Damascus, SYRIA**

1. ICTTA384: "**The Co Design of scenarios for a Didactic-based E-learning System viewed as an Adaptive Virtual Document**", Serge Garlatti, Sylvain Laubé, O. Kassem Zein, Jean-Louis Tetchueng, Yves Kuster, and Yvon Kermarrec, GET / ENST Bretagne, Brest, *FRANCE* (*Invited Paper*)

2. ICTTA395: "**Anytime, Everywhere ─ Approaches to Distance Labs in Embedded Systems Education**", Markus Proske, and Christian Trödhandl, Vienna University of Technology, Vienna, *AUSTRIA*

3. ICTTA040: "**Using multimedia for effective teaching: matching instructions to student's learning styles**", Nor Azan Mat Zin, Faculty of Technology and Information Science, Universiti Kebangsaan Malaysia, *MALAYSIA*

4. ICTTA450: "**Blended Learning and Leadership**", Henrik Wisbech, Danish School of Public Administration Lindevangs, Frederiksberg, *DENMARK*

ICA18: E-Learning: Adaptation, Personalization & Collaboration   **(Tuesday, April 25, 08:30 – 10:15)**

    Co-Chairs: **Pr. Yvon Kermarrec**   **Dr. Najib Abd Alwahed**
                       GET / ENST Bretagne, Brest, FRANCE   **Deputy Minister of Higher Education, SYRIA**

1. ICTTA796: "**Conditions that Facilitate Transfer of Learning in Virtual Environment**", Cyril Bossard, and Gilles Kermarrec, LISyC EA3883 UBO-ENIB, European Center for virtual reality, Brest, *FRANCE*

2. ICTTA832: "**Support Personalization in Distributed E-Learning Systems through Learner Modeling**", Qianyi Gu, and Tamara Sumner, University of Colorado at Boulder, Boulder, Colorado, *USA*

3. ICTTA684: "**An Ontology Mapping Algorithm to Share Learning Resources**", Amel Bouzeghoub, and Abdeltif Elbyed, GET/INT, Evry, *FRANCE*

4. ICTTA230: "**Adaptive Web-Based Educational System Using Neural Networks in EFL Course**", Homsi Masun, Lutfi Rania, and Ghias Barakat, Faculty of Science, University of Aleppo, Aleppo, *SYRIA*

ICA19: E-Learning: Services & Infrastructure (Tuesday, April 25, 11:15 – 13:00)

Co-Chairs: Pr. Yvon Kermarrec Dr. Ibrahim Warda

GET / ENST Bretagne, Brest, FRANCE Al-Baath University, Homs, SYRIA

1. ICTTA654: "**A Metadata Model for Web Services Applied to Index and Discover E-Learning Services**", Oussama Kassem Zein, Yvon Kermarrec, S. Garlatti, J. L. Techueng, and S. Laubé, GET/ENST Bretagne, Brest, *FRANCE* (*Invited Paper*)

2. ICTTA845: "**Digital library and Distance Learning Web service based Middleware: Specifications and applications**", Hajar Kashfi, and Mohammad Reza Razzazi, CEIT Department, Amirkabir University of Technology, Tehran, *IRAN*

3. ICTTA025: "**An electronic learning assistant**", I. Warda, and S. Jordanov, Al-Baath University, Homs, *SYRIA*

4. ICTTA452: "**A Multimedia Broker for Accessible Learning Objects Transcoding**", Silvia Mirri, Daniele Pantieri, Marco Roccetti, and Paola Salomoni, University of Bologna, *ITALY*

5. ICTTA459: "**Developing e-Learning System Using Mobile Agent Technology**", Hasan Al-Sakran, Information Technology College, Yarmouk University, Irbid, *JORDAN*

6. ICTTA444: "**Automatic Transformation of Electronic Documents into Reusable Learning Objects: New Approach based on Artificial Neural Networks**", Khalil Ajami, S. Elias, V. Aarar, M. Osman, W. Hejazi, and H. Khayyat, Higher Institute of Applied Science and Technology, Damascus, *SYRIA*

7. ICTTA876: "**Technology BSCW (Basic Support for Coperative Work) as Design Instructional for the Support to the Educational One, the Qualification and the Formation on the Basis of Multiple Theories of Learning**", Jimmy Rosario Bernard, Las Americas Institute of Technology, *DOMINICAN REPUBLIC*

ICA20: E-Learning: Large Scale Experience (Tuesday, April 25, 14:30 – 16:15)

Co-Chairs: Pr. Yvon Kermarrec Dr. Najib Abd Alwahed

GET/ENST Bretagne, Brest, FRANCE Deputy Minister of Higher Education, SYRIA

1. ICTTA924: "**Delivering Training and Education to 200.000 employees by means of Advanced Learning Architectures**", Andreas Närmann, and Jörg Sander, Detecon International, Bonn, *GERMANY* (*Invited Paper*)

2. ICTTA520: "**The Implementation of E-Learning in The Lebanese University - Lebanon And In the Al-Quds Open University – Palestine**", Bernadette Wakim, and Imad Hodali, Lebanese University, *LEBANON*

3. ICTTA429: "**E-learning at Islamic University of Gaza**", Hatem Alaydy and Rawad Hammad, Islamic University of Gaza, *PALESTINE*

4. ICTTA336: "**Developing a "Fundamentals of Artificial Intelligence E- Learning Course**", Saad A. Mahdi, and Kamel Khoualdi, Faculty of Information Technology, Philadelphia University, *JORDAN*

5. ICTTA149: "**WBLST – E-Learning System for Sciences and Technologies**", Safwan El Assad, Velina Slavova, and Gilles Nachouki, EPUN, Nantes, *FRANCE*

6. ICTTA157: "**An Instructor-Oriented Framework for Real-time Interactive Virtual Classroom**", Xinyou Zhao, and Mitsuji Matsumoto, Global Information and Telecommunication Studies, Waseda University, Tokyo, *JAPAN*

ICA21: E-Learning: Evaluation (Tuesday, April 25, 16:45 – 17:30)

Co-Chairs: Pr. Yvon Kermarrec Dr. Najib Abd Alwahed

GET/ENST Bretagne, Brest, FRANCE Deputy Minister of Higher Education, SYRIA

1. ICTTA593: "**Minimum Cost Multiple Connections in a Wide Distance Learning System**", Vasilios Dagdilelis, Stefanos Katsavounis, and Constantin Tsouros, Dpt. Educational and Social Policy, University of Macedonia, Thessaloniki, *GREECE*

2. ICTTA199: "**From Decision Trees to Classification Rules with Data Representing User Traffic from an e-Learning Platform**", Mihăescu Marian Cristian, and Burdescu Dumitru Dan, Univ. of Craiova, Faculty of Automation, Dolj, *ROMANIA*

3. ICTTA932: "**Distance evaluation between a current and a target learner profile**", Amel Bouzeghoub, and Claire Lecocq, GET/INT – Institut National des Télécommunications, Evry, *FRANCE*

Satellite Workshop Round Table Pannel Discussion: (Tuesday, April 25, 17:30 – 19:30)

INVITED KEYNOTE, Syrian Virtual University, Damascus, SYRIA

Round Table Chair: **Dr. Giath Barakat**
                              Syrian Minister of Higher Education, SYRIA
Participants:
                 Dr. Moaffak Daaboul, Chairman, SCS, SYRIA
                 Pr. Yvon Kermarrec, GET – ENST Bretagne, FRANCE
                 Dr. Najib Abd Alwahed, Deputy Minister of of Higher Education, SYRIA
                 Pr. Mohamad Ben-Ahmed, ENSI, TUNISIA
                 Pr. Jean Paul Haton, LORIA, FRANCE
                 Dr. Anas Tarah, SVU, SYRIA

SATELLITE WORKSHOP: "ICT in Intelligent Transportation Systems"

Pr. Markos Papageorgiou
Technical University of Crete, GREECE

ICA22: ICT in Intelligent Transportation Systems - I -   (Wednesday, April 26, 11:15 – 13:00)
          Co-Chairs: **Pr. Markos Papageorgiou**   **Dr. François Meers**
                              Technical University of Crete, GREECE   **Multitel ASBL, Mons, BELGIUM**

1.   ICTTA192: "**Application of the signal control strategy TUC in three traffic networks: comparative evaluation results**", M. Papageorgiou, A. Kouvelas, E. Kosmatopoulos, V. Dinopoulou, and E. Smaragdis, Dyn. Systems and Simulation Laboratory, Technical University of Crete, Chania, *GREECE* (*Invited Paper*)

2.   ICTTA763: "**Proving the safety of motion estimation algorithms: a confidence interval approach**", François Meers, Olivier Bilenne, Marc Massar, and Emmanuel Druet, Data Fusion team, Multitel ASBL, Mons, *BELGIUM*

3.   ICTTA103: "**Design using finite element analysis of SRM for electric vehicle**", Kazuhiro Ohyama, Maged N. F. Nashed, Kenichi Aso, Hiroaki Fujii, and Hitoshi Uehara, Fukuoka Institute of Technology, Fukuoka, *JAPAN*

4.   ICTTA159: "**Detection and Recognition of Moving Object for Smart Vision Sensor**", Razali Md. Tomari, and Adznan Jantan, Department of Mechatronic & Robotic/KUiTTHO, Batu Pahat Johor, *MALAYSIA*

5.   ICTTA030: "**A comprehensive design of hybrid electric vehicle system ready for manufacturing using computing programs**", Moussa K. O. Beck, Faculty of Electrical & Electronic Engineering, University of Aleppo, Aleppo, *SYRIA*

6.   ICTTA011: "**The application and development perspective of number plate automatic recognition technique**", Ping Dong , Jun-Jun Dong, and Jie-hui Yang, Information Eng. College, Beijing University of Science and Technology, *CHINA*

ICA23: ICT in Intelligent Transportation Systems - II -   (Wednesday, April 26, 14:30 – 16:15)
          Co-Chairs: **Pr. Markos Papageorgiou**   **Dr. Iyad Azar**
                              Technical University of Crete, GREECE   **HIAST, Damascus, SYRIA**

1.   ICTTA532: "**An Experimental Platform for Testing Localization Algorithms**", E. Seignez, A. Lambert, T. Maurin, and F. Hesdin, Institut d'Electronique Fondamentale, University Paris-Sud, Orsay, *FRANCE*

2. ICTTA786: "**Path planning for carlike robots using towers of uncertainties**", Eric Pierre, and Alain Lambert, Institut d'Electronique Fondamentale, UMR CNRS 8622, Université ParisSud, Orsay, *FRANCE*

3. ICTTA833: "**Experimental study of a Motorcycle platform for dynamic model extraction**", Bruno Larnaudie, Samir Bouaziz, Thierry Maurin, Stéphane Espie, and Roger Reynaud, IEF, Dpt AXIS/SACOL, University Paris Sud Orsay, *FRANCE*

4. ICTTA868: "**A Navigation System for Autonomous Vehicle**", I. Azar, HIAST, Damascus, *SYRIA*

5. ICTTA168: "**Traffic models for inter-vehicle communications**", Sihem Chaabouni, Mounir Frikha, and Michael Meincke, Networks department, ISECS, Sfax, *TUNISIA*

6. ICTTA059: "**A traffic image compression technique of self-adapt parameter choice**", Cao Wen-Lun, Shi Zhong-Ke and Feng Jian –Hu, College of Automation, North West Polytechnical University, Xi'an, *CHINA*

ICA24: ICT in Intelligent Transportation Systems - III -   **(Wednesday, April 26, 16:45 – 17:15)**

  Chair: **Pr. Markos Papageorgiou**

    Technical University of Crete, GREECE

1. ICTTA359: "**Path Planning using a Dynamic Vehicle Model**", Romain Pepy, Alain Lambert and Hugues Mounier, Institut d'Electronique Fondamentale, Université Paris-sud XI, Orsay, *FRANCE*

2. ICTTA437: "**A hybrid Genetic Algorithm approach for solving the Dynamic Vehicle Routing Problem with Time Windows**", H. Housroum, T. Hsu, R. Dupas and G. Goncalves, Université d'Artois, Béthune, *FRANCE*

  Satellite Workshop Round Table Pannel Discussion: **(Wednesday, April 26, 17:15 – 18:45)**

  INVITED KEYNOTE, Mr. Firas Asadi, Syrian Ministry of Transport, Damascus, SYRIA

Round Table Co-Chairs: **Dr. Yarob Badr**   **Pr. Markos Papageorgiou**

        Minister of Transport, SYRIA   **Technical University of Crete, GREECE**

Participants:

  Dr. Ayssar Midani, NOSSTIA, SYRIA

  Dr. François Meers, Multitel ASBL, Mons, BELGIUM

SATELLITE WORKSHOP:

"ICT Application for People with Disabilities & Aging People"

Dr. Bessam Abdulrazak

University of Florida, USA

ICA25: User perspective   **(Monday, April 24, 12:00 – 13:15)**

  Co-Chairs: **Dr. Bessam Abdulrazak**   **Dr. Majd Alwan**

      University of Florida, USA   **University of Virginia, USA**

1. ICTTA479: "**Development of Survey Instruments to Guide the Design of Health Status Monitoring Systems for the Elderly: Content Validity Evaluation**", Majd Alwan, Beverely Turner, Steve Kell, Jennifer Penberthy, Wendy Cohen, and Robin Felder, Medical Automation Research Center (MARC), Department of Pathology, University of Virginia, *USA*

2. ICTTA831: "**Applying a theory of online community development as a basis for reform of Home Modification Service Information in Australia**", Catherine Bridge, and Andrew Clark, The University of Sydney, Lidcombe, *AUSTRALIA*

3. ICTTA781: "**ICT Skills for the Blind: Object Oriented Approach**", Mohsen Sadighi Moshkenani, and Nasrollah Rezaey, Isfahan University of Technology, Isfahan, *IRAN*

4. ICTTA364: "**Psychosocial Impact of Passive Health Status Monitoring on Informal Caregivers and Older Adults Living in Independent Senior Housing**", Majd Alwan, Steve Kell, Beverely Turner, Siddharth Dalal, David Mack, and Robin Felder, Medical Automation Research Center (MARC), Department of Pathology, University of Virginia, *USA*

5. ICTTA828: "**Home modification case-based applications for online case capture and reuse**", Catherine Bridge, The University of Sydney, Lidcombe, *AUSTRALIA*

ICA26: Intelligent Environments   (Monday, April 24, 14:30 – 16:15)

       Co-Chairs: **Dr. Bessam Abdulrazak**   **Dr. Catherine Bridge**

                          University of Florida, USA   **University of Sydney, Lidcombe, AUSTRALIA**

1. ICTTA301: "**Enabling a Plug-and-Play integration of smart environments**", Bessam Abdulrazak, and Abdelsalam Helal, University of Florida, Gainesville, *USA* (*Invited Paper*)

2. ICTTA930: "**Providing A New Authentification tool for Dependant People in Pervasive Environments**", A. Mhamed, and M. Mokhtari, Institut National des Télécommunications, Evry, *FRANCE*

3. ICTTA531: "**AMA: An Accessibility Management Assistant**", Giuseppe Cusimano, Diego Gardini, Silvia Mirri, Ludovico Antonio Muratori, and Paola Salomoni, Corso di Laurea in Scienze dell'Informazione, Università di Bologna, Cesena, *ITALY*

4. ICTTA523: "**Seeing the world by hearing: Virtual Acoustic Space (VAS) a new space perception system for blind people**", J. L. González-Mora, A. F. Rodríguez-Hernández, E. Burunat, F. Martin, and M.A. Castellano, University of La Laguna, Tenerife, *SPAIN*

5. ICTTA344: "**Architecture and Protocoles of the RAMPE System- An Interactive Auditive Machine Helping Blinds in Public Transport**", Jinane El Sayah, Geneviève Baudoin, Olivier Venard, and Bachar El Hassan, Group ESIEE, Noisy le Grand, *FRANCE*

6. ICTTA669: "**Preliminary Results on Dynamic Obstacle Avoidance for Powerd Wheelchair**", Anas Fattouh, and Salah Nader, Faculty of Electrical and Electronic Engineering University of Aleppo, Aleppo, *SYRIA*

7. ICTTA052: "**Voice and sensor for more security on an electric wheelchair**", Mohamed Fezari, Mounir Bousbia-Salah, and Mouldi Bedda, Faculty of Engineering, Department of Electronics, Badji Mokhtar University, *ALGERIA*

ICA27: Assistive Technlogies   (Monday, April 24, 16:45 – 17:45)

       Co-Chairs: **Dr. Catherine Bridge**   **Dr. Bessam Abdulrazak**

                          University of Sydney, Lidcombe, AUSTRALIA   **University of Florida, USA**

1. ICTTA790: "**Listening to deaf: A Greek sign language translator**", Paschaloudi N. Vassilia, and Margaritis G. Konstantinos, Department of Applied Informatics, University of Macedonia, Thessaloniki, *GREECE*

2. ICTTA071: "**Speech recognition for disabilities people**", Belgacem Ben Mosbah, TSI, Télécoms Paris, Paris, *FRANCE*

3. ICTTA300: "**Infrared-based human-machine interaction**", Daniel LeBlanc, Habib Hamam, and Yassine Bouslimani, Génie électrique, Faculté d'ingénierie, Université de Moncton, Moncton, *CANADA*

4. ICTTA788: "**Preliminary work for vocal and haptic navigation software for blind sailors**", Mathieu Simonnet, Jean-Yves Guinard, and Jacques Tisseau, ENIB, Brest, *FRANCE*

       Satellite Workshop Round Table Pannel Discussion: (Monday, April 24, 17:45 – 19:30)

     INVITED KEYNOTE, Dr. Nour Al-Deen Shekh Obeyed, MOCT- Ministry of Labour and Social Affairs, Damascus, SYRIA

Round Table Chair: **Dr. Diala Alhaj Aref**

                          Syrian Minister of Social Affairs&Labor, SYRIA

Participants:

       Dr. Bessam Abdulrazak, University of Florida, USA

       Dr. Nour Al-Deen Shekh Obeyed, MOCT- Ministry of Labour and Social Affairs, SYRIA

       Dr. Catherine Bridge, University of Sydney, Lidcombe, AUSTRALIA

       Dr. Majd Alwan, University of Virginia, USA

SATELLITE WORKSHOP:

"E-Government – The Way Ahead"

Pr. Roland Traunüller

Silver Medal of Honor (in recognition of lifelong academic contributions to the Republic of AUSTRIA)

University of Linz, AUSTRIA

ICA28: E-Government Experiences   **(Wednesday, April 26, 08:30 – 10:15)**

     Co-Chairs: **Dr. Amre Al Armanazi**   **Pr. Roland Traunüller**

                        CERS, Damascus, SYRIA   **University of Linz, AUSTRIA**

1. ICTTA315: "**E-Government - the State of Affairs in Europe**", Roland Traunmüller, Gerti Orthofer and Helene Gieber, University of Linz, Linz, *AUSTRIA*. (*Invited Paper*)

2. ICTTA001: "**Bridging the information and communication gap in Northern Africa**", A. Boukelif, J Herben, University of S.B.A, *ALGERIA*

3. ICTTA100: "**E-Government in Syria, concepts, strategies and implementation policies**", Ghazwan Hassna, and Hussien Ahmad, Damascus university, *SYRIA*

4. ICTTA190: "**Contributions to E-Governance in the Republic of Moldova**", Victor Besliu, Technical University of Moldova, Chisinau, Republic of *MOLDOVA*

5. ICTTA821: "**E-procurement platforms in the French public sector**", Saïd Assar and Imed Boughzala, DSI Dpt, GET/INT, Evry, *FRANCE*

6. ICTTA642: "**Necessity of accessibility to e-Government web sites for Disabled People**", Kolsoom Abbasi Shahkooh, and Hamid Reza KhodaBandeh, Iran Communication research Center, Tehran, *IRAN*

ICA29: E-Government: Models & Analysis   **(Wednesday, April 26, 11:15 – 13:00)**

     Co-Chairs: **Dr. Amre Al Armanazi**   **Pr. Roland Traunüller**

                        CERS, Damascus, SYRIA   **University of Linz, AUSTRIA**

1. ICTTA131: "**Improvement of the organization of information services in large public organizations**", J.P. Van Wamelen, Ordina Consulting, Delft, *HOLLAND*

2. ICTTA283: "**Subsidiarity principle vs. accumulative model of modern public services delivery - the key dilemma of public e-services organisation in New Member States of EU**", Krzysztof Glomb, "Cities on Internet" Association, Tarnow, *POLAND*

3. ICTTA767: "**An analysis of fixed-mobile communications convergence: development, social benefits and markets**", Claudio Feijoo, J. L. Gomez-Barroso, S. Ramos, and D. Rojo, Grupo de Tecnologías de la Información y las Comunicaciones, Universidad Politécnica de Madrid, *SPAIN*

4. ICTTA873: "**Framework for e-Government Information Systems Engineering: Describing the Organisational Layers**", Abdelaziz Khadraoui, Slim Turki, Christine Aïdonidis, and Michel Léonard, MATIS Geneva Team, Univ. of Geneva, *SWITZERLAND*

5. ICTTA500: "**Exploring Success Factors for Web-based E-government Services: Behavioral Perspective from End Users**", Yan Liu, Yingwu Chen, and Changfeng Zhou, National Univ. of Defense Technology, Changsha, Hunan, *CHINA*

ICA30: On-line deliberation   **(Wednesday, April 26, 14:30 – 15:30)**

     Chair: **Pr. Laurence Monnoyer-Smith**

              UTC, Compiègne, FRANCE

1. ICTTA579: "**Deliberation on the internet: how do citizens discuss on line? The French ducsai debate case study**", Laurence Monnoyer-Smith, Université de Technologie de Compiègne, *FRANCE* (*Invited Paper*)

2. ICTTA578: "**Public opinion and governance: deliberative situations – a tool to gather and analyse the views of participating citizens**", Jean-Paul Natali, Pascal Ricaud, and George Kiely, Cité des sciences et de l'industrie (National Museum of Sciences, Paris), *FRANCE*

3. ICTTA580: "**The Ground Zero concourse: the internetic mediation and the deliberative process**", Pascal Sanson, Université François Rabelais - Tours - MSH « Villes et territoires », MSH « Villes et territoires » - CEDPM, Centre d'étude du débat public et des médiations, Tours, **FRANCE**

4. ICTTA006: "**The Adoption of Technology System in the Malaysian Public sector**", Suhaiza Zailani, and Roselina Abd Salam, University Sains Malaysia, **MALAYSIA**

Satellite Workshop Round Table Pannel Discussion: **(Wednesday, April 26, 16:45 – 18:30)**

INVITED KEYNOTE, Dr. Amr Salem, Syrian Minister of Communication & Technology, Damascus, SYRIA

Round Table Co-Chairs: **Dr. Amr Salem**   **Pr. Roland Traunüller**

Minister of Communication&Technology, SYRIA   **University of Linz, AUSTRIA**

Participants:

Dr. Amre Al Armanazi, CERS, Damascus, SYRIA

Pr. Antonio Alabau, Universidad Polictécnica de Valencia, SPAIN

Pr. Laurence Monnoyer-Smith, UTC, Compiègne, FRANCE

SATELLITE WORKSHOP:
"E-Health"

Dr. John Puentes   **Dr. Gottfried Dietzel, LL.M. (Session Chair)**

Ecole Nationale Supérieure des   **eHealth Consultancy**

Télécommunications de Bretagne,   **previous: Head Project Group Telematics in the German**

Brest, FRANCE   **Federal Ministry of Health - European Commission**

(DG INFSO) – EHTEL HCA Co-ordinator, GERMANY

ICA31: The promise of e-Health for the improvement of healthcare   **(Tuesday, April 25, 08:30 – 10:15)**

Co-Chairs: **Dr. Gottfried Dietzel**   **Dr. John Puentes**

Bonn/Berlin, GERMANY   **GET/ENST Bretagne, Brest, FRANCE**

1. **INVITED KEYNOTE: "eHealth applications and health cards as key elements in modernizing national health care delivery systems – an international comparison"**, Dr. Gottfried Dietzel, Bonn/Berlin, **GERMANY**

2. ICTTA898: **"Telemedicine in Perspective: Trends and Challenges"**, J. Puentes, and B. Solaiman, GET-ENST Bretagne, Dept. Image & Information Processing, Brest, **FRANCE**

3. ICTTA278: **"Integrating USB Smart Card With Flash Memory To Web Based Medical Information Systems: Application for the pathology of cancer"**, W. Attiaoui, M. Ben Ahmed, M. Tagina, and B. Chetali, Laboratory RIADI-GDL, ENSI, University of La Manouba, **TUNISIA**

ICA32: eLearning and electronic Patient Records,   **(Tuesday, April 25, 11:15 – 13:00)**

Interoperability in Telemedicine

Co-Chairs: **Dr. Gottfried Dietzel**   **Dr. John Puentes**

Bonn/Berlin, GERMANY   **GET/ENST Bretagne, Brest, FRANCE**

1. **INVITED KEYNOTE: "e-Learning, PDAs and Continued Medical Education"**, Pr. Oleg Medvedev, Moscow, **RUSSIA**

2. **INVITED KEYNOTE: "Steps towards a life long electronic record, the model of NICTIZ in the Netherlands"**, Dr. Johan Beun, NICTIZ, **NETHERLANDS**

3. ICTTA179: **"Enhancing Electronic Patient Record Functionality through Information Extraction from Images"**, J. Puentes, B. Batrancourt, L. Lecornu, J. Atif, G. Coatrieux, E. Angelini, I. Bloch, and Ch. Roux, GET-ENST Bretagne, Dept. Image & Information Processing, Brest, *FRANCE*.

4. **Invited Contribution: "SNOMED, a way to achieve semantic interoperability",** John van Beek, Snomed, *NETHERLAND*

5. ICTTA175: **"Network-Based System for Heart Conditions Diagnosis"**, H. K. Muhsin, and S. K. Al Sabbagh, Computer Science Department, Faculty of Information Technology, Delmon, University for Science and Technology, Manama, *BAHRAIN*

6. ICTTA178: **"Comparative Neural Network Based Venous Thrombosis Echogenicity and Echostructure Characterization Using Ultrasound Images"**, J. Puentes, A. Dahabiah, B. Guias, L. Bressollette, and B. Solaiman, GET-ENST Bretagne, Dept. Image & Information Processing, Brest, *FRANCE*

ICA33: Patient Information and Empowerment   **(Tuesday, April 25, 14:30 – 16:15)**

Co-Chairs: **Dr. Gottfried Dietzel**   **Dr. Deib Hazemeh**

               Bonn/Berlin, GERMANY   **Deputy Minister of Health, SYRIA**

1. **INVITED KEYNOTE:** "French eHealth Activities and Experiences in Patient Empowerment", Dr. Michèle Thonnet, Ministry of Health, Paris, *FRANCE*

2. ICTTA072: **"Psychosocial Impact of Passive Health Status Monitoring Technology in Assisted Living: A Pilot Study"**, M. Alwan, J. Leachtenauer, S. Dalal, D. Mack, S. Kell, B. Turner, and R. Felder, Medical Automation Research Center (MARC),Department of Pathology,University of Virginia, Charlottesville, *USA*.

3. ICTTA223: **"A Smart and Passive Floor-Vibration Based Fall Detector for Elderly"**, M. Alwan, P. J. Rajendran, S. Kell, D. Mack, S. Dalal, M. Wolfe, and R. Felder, Medical Automation Research Center (MARC),Department of Pathology, University of Virginia, Charlottesville, *USA*

4. ICTTA350: "**Application for complex querying of the databases obtained by extracting data from DICOM files",** L. Stanescu, D. Dan Burdescu, and C. S. Spahiu, University of Craiova, Faculty of Automation, Computers and Electronics, Craiova, *ROMANIA*

ICA34: The Business Case – Cost-Benefit Relationships/   **(Tuesday, April 25, 16:45 – 17:30)**

        Round Table on the Future of ehealth Implementation

Co-Chairs: **Dr. Gottfried Dietzel**   **Dr. Deib Hazemeh**

               Bonn/Berlin, GERMANY   **Deputy Minister of Health, SYRIA**

1. **INVITED KEYNOTE: "Business Models for eHealth and Card-enabled Telematic Networks**", Dr. Elmar Fassbinder, Munich, *GERMANY*

2. ICTTA198: **"ViCCU® Traffic Analysis**", R. P. Liu, A. Krumm-Heller and C. Russell, ICT Centre, CSIRO, Australia, Sydney, *AUSTRALIA*

        Satellite Workshop Round Table Pannel Discussion: **(Tuesday, April 25, 17:30 – 18:45)**

               INVITED KEYNOTE, Mrs. Fadwa Murad, Ministry of Health, Syria, Damascus, SYRIA

Round Table Chair: **Dr. Gottfried Dietzel, GERMANY**

Participants:

        Dr. Deib Hazemeh, Deputy Minister of Health, SYRIA

        Dr. John Puentes, ENST de Bretagne, FRANCE

        Pr. Oleg Medvedev, Moscow, RUSSIA

        Dr. Elmar Fassbinder, Munich, GERMANY

        Dr. Michèle Thonnet, Paris, FRANCE

        Dr. Johan Beun, Amsrredam, NETHERLAND

        Mrs. Fadwa Murad, Ministry of Health, SYRIA

Information Processing

IP01:   Biometrics and cryptography (*Special Session*)   **(Thursday, April 27, 11:15 – 13:00)**

Co-Chairs: Dr. Salah M. Rahal   **Pr. Doghmane Noureddine**

King Saud University, KSA   **University of Annaba, ALGERIA**

1. ICTTA772: "**Voice Biometric Authentication for Enhancing Internet Service Security**", Anastasis Koundoudes, Vassilis Kekatos, and Stephanos Mavromoustakos, Dept. Computing and Information Systems, Philips College, Nicosia, *CYPRUS*

2. ICTTA434: "**Multimodal Biometric Authentication System - MBAS**", Salah M. Rahal, Hatim A. Abu Samah, and Khaled N. Muteb, College of Computer and Information Sciences, King Saud University**, *KSA***

3. ICTTA830: "**A Novel Human Identifier System Using Retina Image and Fuzzy Clustering Approach**", Hamid Tabatabaee, Amin Milani Fard, and Hadi Jafariani, Azad University of Quchan, Quchan, *IRAN*

4. ICTTA933: "**A Wavelet Network Based Approach for Iris Localization**", Imene Khanfir Kallel, Dorra Sallemi Masmoudi, and Nabil Derbel, Research Unit CIELS, National Engineering School of Sfax, *TUNISIA*

5. ICTTA733: "**A New Method in Transmitting Encrypted Data by FCM Algorithm**", Meghdad Ashtiani, Saeed Asadi, and Pedram Hassani Goudarzi, Control M.s. Dpt., SAU, Tehran, *IRAN*

6. ICTTA361: "**3D Ear Print Authentication using 3D radon Transform**", Waleed A. Mahond, and Marwan R. Shaker, Electrical Engineering, Baghdad University, Baghdad, *IRAQ*

IP02:   **3D – Imaging**   **(Tuesday, April 25, 14:30 – 16:15)**

Co-Chairs: **Pr. István Loványi**   **Pr. Pascal Haigron**

                  BUTE, Budapest, HUNGRY   **LTSI, Universityof Rennes 1, FRANCE**

1. ICTTA925: "**Millimeter Accuracy Carrier Phase Radiolocalization for computer-aided surgery**", A. Menhoudj, P. Haigron, C. Brousseau, and K. Mahdjoubi, IETR, UMR CNRS 6164, University of Rennes 1, Rennes, *FRANCE*

2. ICTTA893: "**3D Motion Capture Methods for Pathological and Non-pathological Human Motion Analysis**", Z. Kertész, and I. Loványi, Department of Process Control and Information Technology, BUTE, Budapest, *HUNGRY*

3. ICTTA081: "**A 3D real-time vision system based on passive stereovision algorithms: Application to laparoscopic surgical manipulations**", A. Naoulou, J. L. Boizard, J. Y. Fourniols, and M. Devy, Laboratoire d'Analyse et d'Architecture des Systèmes du CNRS, Toulouse, *FRANCE*

4. ICTTA104: "**A Euclidean Invariant Snake for Stereoscopic Segmentation**", M. A. Charmi, S. Derrode, and F. Ghorbel, GRIFT, Cristal lab.., ENSI, Campus Univ. de la Manouba, Manouba**, *TUNISIA***

5. ICTTA316: "**A new robust color coding technique for solving the correspondence problem and 3D reconstruction in structured light systems**", Sanaz Seyedin, and Shahriar B. Shokouhi, Iran Univ. of Science and Techn., Narmak, Tehran, *IRAN*

6. ICTTA498: "**A Novel Data Representation Method for 3D Model-Based Gesture Tracking**", Moaath Al-Rajab, and Kia Ng, Computer Vision Group, School of Computing, University of Leeds, Leeds, *UK*

7. ICTTA746: "**Volumetric Medical Intervention Aiding Augmented Reality Device**", B. Domonkos, and A. Egri, Department of Process Control and Information Technology BUTE, Budapest, *HUNGRY*

IP03:   **Medical Imaging – I –**   **(Monday, April 24, 12:00 – 13:15)**

Co-Chairs: **Dr. John Puentes**   **Pr. Faouzi Ghorbel**

                  GET/ENST Bretagne, Brest, FRANCE   **CRISTAL Lab., ENSI, Manouba, TUNISIA**

1. ICTTA340 – "**Segmentation and classification of breast cancer cells in histological images**", S. Essafi, R. Doughri, S. Mhiri, K. Ben Romdhane, and F. Ghorbel, GRIFT, CRISTAL lab., Ecole Nationale des Sciences de l'Informatique, Manouba, *TUNISIA*

2. ICTTA163: "**Comparison of SUSAN and Sobel Edge Detection in MRI Images for Feature Extraction**", Gholamali Rezai-Rad, and Majid Aghababaie, Electrical Engineering Department, Iran University of Sci. & Tech, *IRAN*

3. ICTTA298: "**Application of Real Time System on Mouse Cardiovascular MRI**", Maher Sabbah, Hasan Alsaïd, André Briguet, O. FoKapu, and E. Canet-Soulas, Univ. de Technologie de Compiègne, Centre de Recherche de Royallieu, Compiègne, *FRANCE*

4. ICTTA841: "**Image denoising using wavelet: a powerful tool to overcome some limitations in nuclear imaging**", Khlifa Nawrès, Hamrouni Kamel, and Ellouze Noureddine, Ecole Nationale d'Ingénieurs de Tunis, *TUNISIA*

5. ICTTA629: "**Template Matching Method for Vertebra Region Selection**", M. Benjelloun, H. Téllez, and S. Mahmoudi, Faculté Polytechnique de Mons, Mons, *BELGIUM*

IP04:   **Medical Imaging – II –**   **(Monday, April 24, 14:30 – 16:15)**

Co-Chairs: **Pr. Reza Safabakhsh**   **Pr. Kamel Hamrouni**

                  AmirKabir Univ. of Tech., Tehran, IRAN   **ENIT, Tunis, TUNISIA**

1. ICTTA794: "**Automatically real time Region of interest detection method applied to radiological images**", Yehia Lahfi, and Jacques Lemoine, Université Paris-XII Val de Marne, Créteil, *FRANCE*

2. ICTTA870: "**Blood Vessels Segmentation in Retina image using Mathematical Morphology and the STFT analysis**", Jlassi Hajer, Hamrouni Kamel, and Ellouze Noureddine, Ecole Nationale d'Ingénieurs de Tunis (ENIT), Tunis, *TUNISIA*

3. ICTTA874: "**A Robust Multi-Orientation Gabor Based System for Discriminating Touching White and Red Cells in Microscopic Blood Image**", Reza Safabakhsh, and Fatemeh Zamani, AmirKabir University of Tech., Tehran, *IRAN*

4. ICTTA379: "**Quantification of Placental Vascularization by Two-Dimensional Power Doppler**", M. Ayache, M. Khalil, C. Paillet, F. Perrotin, and F. Tranquart, Radiology Department, University of Tours, Tours, *FRANCE*

5. ICTTA911: "**A new scheme of watermarking in multi-resolution filed by 5/3 wavelet: Family signature combined with the adapted embedding strength**", Ali Khalafallah, Fahmi Kammoun, Mohamed Salim Bouhlel and Christian Olivier, Research Unit: Sciences and Technologies of Image and Telecommunications, Higher Institute of Biotechnology, Sfax, *TUNISIA*

6. ICTTA913: "**Realisation of a new multitask phantom (M.T.P) for the verification of global performance of an MRI system**", Hatem Besbes, Wacel Hmani, Fatma Essafi, and Ridha Ben Saleh, Faculté de médecine de Tunis, *TUNISIA*

IP05: **Signal Processing & Applications – I –**   (Wednesday, April 26, 08:30 – 10:15)

Co-Chairs: **Pr. Francis Castanié**   **Pr. Mouldi Bedda**

              TeSA, Toulouse, FRANCE   **Annaba University, ALGERIA**

1. ICTTA146: "**Alpha and Theta Wave Localisation Using Hilbert-Huang Transform: Empirical Study of the Accuracy**", Hassan Sharabaty, Jordi Martin, Bruno Jammes, and Daniel Esteve, LAAS-CNRS, Toulouse, *FRANCE*

2. ICTTA402: "**Automatic determination of Sleep-Wake states from EOG signals fusion technique**", Aini Hussain, Seyed F. Hendi, Salina Abdul Samad, Thum C. Chieh, and Mohd M. Mustafa, Faculty of Eng., Universiti Kebangsaan, *MALAYSIA*

3. ICTTA681: "**Deterministic branching Gauss particles in the passive Sonar tracking problem**", A. Kazem, and G.Salut, LAAS/CNRS, Toulouse, *FRANCE*

4. ICTTA428: "**An RLS Algorithm Based on Interpolation Lattice Recursion Structure**", Jenq-Tay Yuan, and Chih-An Chiang, Department of Electronic Engineering, Fu Jen Catholic University, Taipei, *TAIWAN*

5. ICTTA124: "**Analysis of Coefficients Boundaries of Nonlinear Lattice-Hammerstein Filters**", M. H. Kahaei M. Eghtedari, and J. Poshtan, Department of Electrical Engineering, Iran University of Science and Technology, Tehran, *IRAN*

6. ICTTA408: "**Convergence and Tracking Behavior of the New SPVS-NLMS Algorithm**", P. Mowlaee and M. H. Kahaei, Department of Electrical Engineering, Iran Univ. of Science & Technology, Tehran, *IRAN*

IP06: **Signal Processing & Applications – II –**   (Wednesday, April 26, 11:15 – 13:00)

Co-Chairs: **Pr. Francis Castanié**   **Dr. Bassam Alachkar**

              TeSA, Toulouse, FRANCE   **HIAST, Damscus, SYRIA**

1. ICTTA473: "**A Fractional Wavelet for QRS Detection**", F. Abdelliche, A. Charef, M.L. Talbi, and M. Benmalek, Université Mentouri, route Ain El Bey, Constantine, *ALGERIA*

2. ICTTA482: "**A Novel Method Satisfying Continuous Constraints of Magnitude and Phase in Design of Weighted Least Square Complex Laguerre Filters**", Amin Zollanvari, and Mohammad Ali Masnadi-Shirazi, Shiraz University, *IRAN*

3. ICTTA497: "**Maximum likelihood deterministic particle filter for state estimation and fault detection in stochastic hybrid systems**", A. Kazem, G. Salut, and F. Lehmann, LAAS/CNRS, Touleuse, *FRANCE*

4. ICTTA584: "**Detection and Diagnosis Gaussianity in a Time Series**", Adnan Al-Smadi, Hijjawi Faculty for Engineering Technology, Yarmouk University, Irbid, *JORDAN*

5. ICTTA745: "**How to Optimize the Gain Filter of LD-CELP**", Zhang Gang, Xie Keming, Zhao Zhefeng, and Xue Chunyu, College of Information Engineering, Taiyuan University of Technology, Taiyuan, Shanxi, *CHINA*

6. ICTTA407: "**Multi-Speakers Direction-Of-Arrival Finding Using ICA**", M. Atashbar, and M. H. Kahaei, Department of Electrical Engineering, Iran Univ. of Science & Technology, Tehran, *IRAN*

IP07: **Speech Recognition**   (Thursday, April 27, 08:30 – 10:15)

Co-Chairs: **Pr. Jean-Paul Haton**   **Pr. Noureddine Ellouze**

              LORIA, Nancy, FRANCE   **ENIT, TUNISIA**

1. ICTTA174: "**Sentence Structure for Dialog Act recognition in Czech**", Pavel Kral, Ch. Cerisara, J. Kleckova, Tomas Pavelka, and Christophe Cerisara, Dept. Informatics & Computer Science University of West Bohemia Plzen, *CZECH REPUBLIC*

2. ICTTA242: "**Vocal commands to robot by an isolated words recognition systems using HMM**", Oumayma Al-Dakkak, and Yahia Harba, Higher Institute of applied science and Technology (HIAST), Damascus, *SYRIA*

3. ICTTA123: "**Design and development of a very low bit rate vocoder for Farsi Language**", M. M. Homayounpour, A. Koochari, and H.R. Shosja Moaddab, Computer Engineering Department, Amirkabir University of Technology, Tehran, *IRAN*

4. ICTTA358: "**Development and Evaluation of Automatic -Speaker based- Audio Identification and Segmentation for Broadcast News Recordings Indexation**", Messaoud Bengherabi, and Abdenour Sehad, Centre de Développement des Technologies Avancées, *ALGERIA*

5. ICTTA711: "**Experiments of distant talking command speech recognition based on a microphone array and robustness methods**", M. Safayani, B. Babaali, H. Sameti, and H. Reza Abutalebi, Sharif University of Technology, Tehran, *IRAN*

6. ICTTA613: "**Fuzzy HMM and GMM Models for Speech Recognition**", Asghar Taheri, Mohammad Reza Tarihi, and M. Taheri, Malik Ashtar University of technology, Tehran, *IRAN*

7. ICTTA296: "**Speech Recognition using Artificial Neural Networks**", Iman Abuel Maaly, and Manal El-Obaid, Faculty of Engineering, University of Khartoum, Khartoum, *SUDAN*

IP08: **Speech Signal Processing – I –** (Wednesday, April 26, 14:30 – 16:15)

Co-Chairs: **Pr. Jean-Paul Haton** **Pr. Francis Castanié**

LORIA, Nancy, FRANCE **TeSA, Toulouse, FRANCE**

1. ICTTA317: "**Multi-band coherence features for voiced-unvoiced-silence speech classification**", Sofia Ben Jebara, Research Unit TECHTRA, Ecole Supérieure des Communications de Tunis, *TUNISIA*

2. ICTTA490: "**Using SMAP and SMLLR for Arabin speaker adaptation**", Toufik Benzaraa, Bedda Mouldi, and Cherifa Senani, Faculté des Sciences de l'Ingénieur, Université d'Annaba, *ALGERIA*

3. ICTTA521: "**A speech processing interface for analysis of pathological voices**", Salhi Lotfi, and Adnène Cherif, Signal processing Laboratory, Science faculty of Tunis, Tunis, *TUNISIA*

4. ICTTA555: "**New hybrid system Supervised Classifier/HMM for Isolated Arabic speech recognition**", Bourouba Houcine, Djemili Rafik, Bedda Mouldi, and Snani Cherifa, LASA Laboratory of Annaba University, *ALGERIA*

5. ICTTA626: "**Speech Overlap Detection Using Spectral Feature and its Application in Speaker Based Speech Indexing**", Mohammad H. Moattar, and M. Mehdi Homayounpour, Amirkabir University of Technology, Tehran, *IRAN*

IP09: **Speech Signal Processing – II –** (Wednesday, April 26, 16:45 – 18:30)

Co-Chairs: **Pr. Francis Castanié** **Dr. Ismail Shahin**

TeSA, Toulouse, FRANCE **University of Sharjah, UAE**

1. ICTTA056: "**Talking condition identification using circular Hidden Markov Models**", Ismail Shahin, Electrical and Computer Engineering Department, University of Sharjah, Sharjah, *UNITED ARABE EMIRATES*

2. ICTTA645: "**A Novel Method to Improve Pitch and Voicing Strength Estimation for Low Bit Rate Speech Coding**", H. Farsi, Dept. of Electronic and Electrical Eng., Faculty of Eng., University of Birjand, *IRAN*

3. ICTTA644: "**Pre-analysis and-Post Processing Method to Synchronize the Synthesis Filter and Speech Residual for Pitch Modification Algorithms**", H. Farsi, Dept. of Electronic and Electrical Eng., Faculty of Eng., University of Birjand, *IRAN*

4. ICTTA725: "**Improving the Robustness of Persian Large Vovabulary Continuous Speech Recognition System for Real Applications**", Hadi Veisi, Hossein Sameti, Bagher Babaali, Khosro Hosseinzade, and Mohammad Taghi Manzuri, Sharif University of Technology, Tehran, *IRAN*

5. ICTTA784: "**Robustness Improvement of an Automatic Sounds Recognition System by HMM Adaptation to Real World Background Noise**", Asma Rabaoui, Zied Lachiri, and Noureddine Ellouze, Département TIC, ENIT, *TUNISIA*

6. ICTTA827: "**Robustness Improvement of Speaker Segmentation techniques based on the Bayesian Information Criterion**", Hachem Kadry, Zied Lachiri, and Noureddine Ellouze, Dept. TIC, ENIT, Tunis, *TUNISIA*

IP10: **Text Processing, Analysis & Recognition** (Monday, April 24, 16:45 – 18:30)

Co-Chairs: **Pr. Najoua Essoukri Ben Amara** **Dr. Oumaima Al-Dakkak**

National Engineers School of Tunis, TUNISIA **HIAST, Damascus, SYRIA**

1. ICTTA624: "**Personal identification based on texture analysis of Arabic handwriting text**", Nadia Feddaoui, and Kamel Hamrouni, TIC dpt. ENIT, Tunis, *TUNISIA*

2. ICTTA628: "**Persian Text Normalization Using Classification Tree and Support Vector Machine**", Mohammad H. Moattar, M. Mehdi Homayounpour, and D. Zabihzadeh, Amirkabir University of Technology, Tehran, *IRAN*

3. ICTTA277: "**Context-Based Arabic Text Processing System**", Hamza Zidoum, Department of Computer Science, College of Science, SQU University, *OMAN*

4. ICTTA246: "**Prosodic Feature Introduction and Emotion Incorporation in an Arabic TTS**", O. Al-Dakkak, N. Ghneim, M. Abou Zliekha, and S. Al-Moubayed, HIAST, Damascus, *SYRIA*

5. ICTTA815: "**A Bayesian Approach for Text Classification**", Francesco Colace, and Massimo De Santo, Università di Salerno, Fisciano (SA), *ITALY*

6. ICTTA807: "**A Segmentation Text/Background method for Degraded Ancient Arabic Manuscript**", Amina Ghardallou Lasmar, Anis Kricha, and Najoua Essoukri Ben Amara, Institut Supérieur des Etudes Technologiques de Sousse, *TUNISIA*

7. ICTTA222: "**Preparing Persian/Arabic Scanned Images for OCR**", Sajad Shirali-Shahreza, Mohammad Taghi Manzuri, and M. Hassan Shirali-Shahreza, Computer Eng. Dept., Sharif University, Tehran, *IRAN*

IP11:   **Data Mining & Data Fusion**   (Wednesday, April 26, 08:30 – 10:15)

     Co-Chairs: **Dr. François Meers**   **Dr. Khaldoun Zreik**

                Multitel Asble, Res. Centre, BELGIUM   **University of Caen, Caen, FRANCE**

1. ICTTA182: "**Audio data analysis using parametric representation of temporal relations**", Zein Al Abidin Ibrahim, Isabelle Ferrabe, and Philippe Joly, IRIT institute of research, University of Paul Sabatier, Toulouse, *FRANCE*

2. ICTTA381: "**A Proactive Mechanism for Efficient Information Discovery**", Irene Sygkouna, Miltiades Anagnostou, and E. Sykas, Computer Networks Laboratory, National Technical University of Athens (NTUA), Zografou, Athens, *GREECE*

3. ICTTA389: "**Data Mining using Pruned Artificial Neural Network Tree (ANNT)**", S. Kalaiarasi Anbananthen, G. Sainarayanan, Ali Chekima, and Jason Teo, University Malaysia Sabah, Sabah, *MALAYSIA*

4. ICTTA633: "**Data Mining System applied in Endoscopic Image Base**", Abdelhamid Zemirline, Laurent Lecornu, and Bassel Solaiman, GET / ENST-Bretagne, Brest, *FRANCE*

5. ICTTA813: "**Constructing Belief Functions from Qualitative Expert Opinions**", Amel Ben Yaghlane, Thierry Denoeux, and Khaled Mellouli, Institut Supérieur de Gestion, LARODEC - ISG Tunis, *TUNISIA*

6. ICTTA245: "**Discussion about Threshold of Set-difference in Some Clustering Algorithm**", Yan Song, School of Economics and Management, Harbin Engineering University, Harbin, *CHINA*

IP12:   **Data Management, Data Visualization & Machine Learning**   (Wednesday, April 26, 16:45 – 18:30)

     Co-Chairs: **Pr. Walaa Hamouda & Dr. Amr M. Youssef**

                Concordia University, Montreal, CANADA

1. ICTTA848: "**On bent-based and linear-based functions**", Ziad Saber, Amr M. Youssef, and Walaa Hamouda, Concordia Institute for Information Systems Engineering, Concordia University, Montreal, *CANADA*

2. ICTTA046: "**Visualization methods for exploratory data analysis**", Alissar Nasser, Denis Hamed, and Chaïban Nasr, Laboratoire LASL/ULCO, Calais, *FRANCE*

3. ICTTA886: "**Using a Machine Learning Tool to Generate Adaptive Experiments**", Maziar Palhang, Isfahan University of Technology, Isfahan, *IRAN*

4. ICTTA768: "**Extension of Rank Test for Sequences over GF(q)**", Ali Kakhbod, Mohammad Dakhil Alian, and Soheil Mohajer, Isfahan University of Technology, *IRAN*

5. ICTTA012: "**The study and design of encrypt card based on caotic sequences of logistic**", Ping Dong, Jun-jun Dong, and Jie-hui Yang, Information Engineering College, Beijing University of Science and Technology, Beijing, *CHINA*

6. ICTTA557: "**Evaluation of using Lagrange Interpolation method in polynomial Reconstruction problem**", Sattar B. Sadkhan, Alnahrain University, Computer Science dept., *IRAQ*

IP13:   **Dynamic System & Fuzzy logic control**   (Thursday, April 27, 14:30 – 18:00)

     Co-Chairs: **Pr. Georgi M. Dimirovski**   **Pr. Ghassan El-Assi**

                Dogus University, Istanbul, TURKEY   **HIAST, Damascus, SYRIA**

1. ICTTA423: "**Decentralized stabilization control for composite systems with time-varying delays and uncertainties**", Yuanwei Jing, and Georgi M. Dimirovski, Northeastern University, School of Information Science & Engineering, Institute of Control Science, Shenyang, Liaoning, **P. R.** *CHINA* (*Invited Paper*)

2. ICTTA256: "**Fuzzy Model Predictive Control Algorithm Applied in Nuclear Power Plant**", Ahmad Zuheir, Scientific Services Division, Atomic Energy Commission of Syria, Damascus, *SYRIA*

3. ICTTA492: "**Real Time Implementation of Fuzzy Gain Scheduling of PI Controller for Induction Machine Speed Control**", A. Hazzab, I. K. Bousserhane, M. Rahli, P. Sicard, and M. Zerbou, University center of Bechar, *ALGERIA*

4. ICTTA495: "**Direct Field-Oriented Control using Backstepping Technique for Induction Motor Speed Control**", A. Hazzab, I. K. Bousserhane, M. Rahli, M. Kamli, University center of Bechar, *ALGERIA*

5. ICTTA310: "**Fuzzy PID Control of a Positional Control System**", F. H. Ali, and Maher M.F.AL-Greer, Dep. of Computer Engineering, Mosul University, Mosul, *IRAQ*

6. ICTTA524: "**Control and synchronization ofhigh order chaotic systems**", A. Naceri, and N. Mansouri, Faculté des Sciences de l'Ingenieur, Université Mentouri Constantine, Constantine, *ALGERIA*

IP14:   **Image Compression & Image Coding**   **(Tuesday, April 25, 08:30 – 10:15)**
   Co-Chairs: **Pr. Mhd. Salim Bouhlel**   **Dr. Tammam Tillo**
      ISBS, University of Sfax, TUNISIA   **Politecnico di Torino, ITALY**

1. ICTTA383: "**Generating balanced descriptions using classification-based approach**", Tammam Tillo, and Gabriella Olmo, Center for Multimedia Radio Communications, Dipartimento di Elettronica, Politecnico di Torino, Torino, *ITALY*

2. ICTTA619: "**Improvements to SPIHT for Lossless Image Coding**", T. Brahimi, A. Melit, F. Khelifi, and D. Boutana, Faculty of Engineering Science, University of JIJEL, Jijel, *ALGERIA*

3. ICTTA838: "**Color image coding by modified zerotree wavelet (EZW) algorithm**", A. Ouafi, A. Taleb Ahmed, Z. Baarir, N. Doghmane, and A. Zitouni, Electronic Department, University of Biskra, Biskra, *ALGERIA*

4. ICTTA915: "**Medical images adaptive compression with statistical model for transmission and archiving. Application to MRI modality**", Olfa Kanoun, Mohamed Salim Bouhlel, and Sana Mezghani, Higher Institute of Biotechnology, Sfax, *TUNISIA*

5. ICTTA912: "**A proposal for progressive authentification and data integrity of JPEG2000 codestream**", Atef Masmoudi, and Mohamed Salim Bouhlel, Higher Institute of Biotechnology, Sfax, *TUNISIA*

IP15:   **Data Hiding & Image watermarking**   **(Tuesday, April 25, 16:45 – 18:30)**
   Co-Chairs: **Pr. Mhd. Salim Bouhlel**   **Dr. Ayman Al Falou**
      ISBS, University of Sfax, TUNISIA   **ISEN, Brest, FRANCE**

1. ICTTA260: "**Dot Diffusion with Nonlinear Thresholding to Hide Data in Halftoned Images**", Omid Taheri, Ahmad Movahedian Attar, Iraj hosseini, and Saeed Sadri, Isfahan University of Technology, Isfahan, *IRAN*

2. ICTTA329: "**Image Encryption and Decryption by an Optical Phase Mask**", Rami El Sawda, Ayman Al Falou, Gilles Keryer, and Ammar Assoum, Institut Supérieur d'Electronique et du Numérique, Brest, *FRANCE*

3. ICTTA462: "**Content Adaptive Watermarking Based on Regions Segmentation**", Saoussen Ben Jabra, Ezzeddine Zagrouba, and Saloua Guezguez, Institut Supérieur d'informatique, *TUNISIA*

4. ICTTA533: "**A New Algorithm for Hiding Gray Images using Blocks**", Samer Atawneh, Faculty of Information Technology, The Hashemite University, Zarka, *JORDAN*

5. ICTTA774: "**A Fast Halftoning Algorithm Using LUT Approach for Grey-level Images**", Nora Atamna, Zohra Tifedjadjine, Zohir Dibi, and Ahmed Bouridane, Institute of Electronic Engineering, University of Batna, *ALGERIA*

6. ICTTA819: "**Hiding Data in Color Halftone Images using Error Diffusion with Nonlinear Thresholding**", Ahmad Movahedian Attar, Omid Taheri, Iraj hosseini, and Rasuol Amir Fattahi, Isfahan University of Technology, Isfahan, *IRAN*

7. ICTTA931: "**A new image watermarking approach for medical image archiving**", Hanène Trichili, Mohamed Salim Bouhlel, and Bassel Solaiman, Higher Institute of Biotechnology of Sfax, Sfax University, *TUNISIA*

IP16:   **Image Segmentation & Edge detection**   **(Wednesday, April 26, 08:30 – 10:15)**
   Co-Chairs: **Pr. Ezzeddine Zagrouba**   **Pr. Richard Lepage**
      Institut Supérieur d'informatique, TUNISIA   **École de Technologie Supérieure, CANADA**

1. ICTTA369: "**An Efficient Boundary-Based Approach for Shape Representation**", Nbhan D. Salih, and David Chek Ling Ngo, Faculty of information science & technology, Multimedia University, Melaka, *MALAYSIA (Invited Paper)*

2. ICTTA849: "**An FPGA- Based Facial Component Extractor Using Wavelet-Based Salient Point**", Iraj Hosseini, Masih Rahmaty, Mohammad Sadegh Sadri, Nasim Shams, and Rasoul Amir Fatthi, Isfahan University of Technology, Isfahan, *IRAN*

3. ICTTA099: "**A Region Based Segmentation Using Pixel Block Fuzzy Similarity**", W. H. Tan*, G. Coatrieux, B. Solaiman, R. Besar, and Nora Mansouri, *FOE, MMU, Jalan Multimedia, Selangor, *MALAYSIA*

4. ICTTA308: "**Active Contour Optimization using Particle Swarm Optimizer (PSO)**", Mahdi Ahmadi Asl, and Seyed Alireza Seyedin, Electrical Engineering Dept, Ferdowsi University of Mashhad, *IRAN*

5. ICTTA463: "**Evaluation and fusion Region segmentations fusion**", Slim Amri, and Ezzeddine Zagrouba, Institut Supérieur d'informatique, *TUNISIA*

6. ICTTA007: "**Video Segmentation via Dual Shot Boundary Detection (DSBD)**", Khalid Kaabneh, Osama Alia, Amjad Suleiman, and Ali AbuRabela, Graduate College of Computer Studies, Amman Arab University for Graduate Studies, *JORDAN*

IP17:   **Image Recognition & tracking**   (Wednesday, April 26, 11:15 – 13:00)

Co-Chairs: Pr. Richard Lepage   Dr. Abdesslam Benzinou

École de Technologie Supérieure, CANADA   ENIB, Laboratoire RESO, FRANCE

1. ICTTA273: "**An Algorithm for the Identification and Measurement of Jagged Apertures from a Noisy Image**", Christos Liambas, and Leonidas Pitsoulis, Faculty of Engineering, Aristotle University of Thessaloniki, Thessaloniki, *GREECE*

2. ICTTA435: "**Food Grading/Sorting Based on Color Appearance trough Machine Vision: the Case of Cranberries**", Youssouf Chherawala, Richard Lepage, and Gilles Doyon, Electrical Engineering Dpt, ETS, Montreal, *CANADA*

3. ICTTA504: "**Lips Detection in the Normalised RGB Colour Scheme**", Jamal Ahmad Dargham, and Ali Chekima, School of Engineering and Information Systems, University Malaysia Sabah, *MALAYSIA*

4. ICTTA673: "**Face Localization and Versatile Tracking in Wavelet Domain**", Bardia Mohabbati, and Shohreh Kasaei, Amirkabir University of Technology, Tehran, *IRAN*

5. ICTTA759: "**Automatic Cellular Aggregates Quantification for Toxicology using Statistical Learning**", Abdesslam Benzinou, Youssef Hojeij, and Alain-Claude Roudot, ENIB, Laboratoire RESO, Brest, *FRANCE*

6. ICTTA842: "**A Hybrid Method for Robust Multi Object Tracking in Cluttered Background**", Reza Akbari, Mohammad DavarPanah Jazi, and Maziar Palhang, Isfahan University of Technology, Isfahan, *IRAN*

7. ICTTA328: "**Face Recognition by Optical Correlation using 3D Filter**", Mona Farhat, Ayman Al Falou, and Habib Hamam, Institut Supérieur d'Electronique et du Numérique, Brest, *FRANCE*

IP18:   **Image Enhancement and Indexing**   (Wednesday, April 26, 14:30 – 16:15)

Co-Chairs: Pr. Driss Mammass   Dr. Abdesslam Benzinou

Univ. IBN ZOHR, Agadir, MOROCCO   ENIB, Laboratoire RESO, FRANCE

1. ICTTA512: "**Uncommitted Morphological Merging of Watershed Segments**", W. H. Tan*, M. Bister, and G. Coatrieux, *FOE, Multimedia University, Jalan Multimedia, Cyberjaya, Selangor, *MALAYSIA*

2. ICTTA612: "**Hybrid adaptive precise position control of three degrees freedom platform**", Asghar Taheri, Mohammad Reza Tarihi, and Mostafa Taheri, Malik Ashtar University of technology, Tehran, *IRAN*

3. ICTTA735: "**Image enhancement using Predator-Prey Optimizer algorithm**", Mounib Noura, and Mohamed Batouche, Colonel Hadj Lakhder University, Batna, *ALGERIA*

4. ICTTA935: "**Radar Interferometry vs. Sonar Interferometry**", Christophe Sintes, Didier Gueriot, and René Garello, GET / ENST de Bretagne, Brest, *FRANCE*

5. ICTTA546: "**A New Multi-scale Method for Islamic Star Pattern Images Indexing**", Mohamed Ould Djibril, Youssef Hadi, Rachid Oulad HajThami, and Mohamed Daoudi, Université Mohamed V, Agdal, Rabat, *MOROCCO*

6. ICTTA799: "**3D Textured Objects Indexing by Mixing Texture and Shape Features**", Abdelalim Sadiq, Rachid Oulad HajThami, Mohamed Daoudi, and Jean-Philippe Vandeborre, ENSIAS, Univ. Mohamed V Souissi, Rabat, Agdal, *MOROCCO*

IP19:   **ANN & Information Processing**   (Thursday, April 27, 11:15 – 13:00)

Co-Chairs: Dr. Ali Idri   Dr. Al-Amaireh Malik Fatehy

Mohamed V Univ., Rabat, MOROCCO   Amman University, Amman, JORDAN

1. ICTTA351: "**Control of Combustion based on Neuro-Hybrid Model**", Hadj Hamma Tadjine, and Matthias Reuter, Modeling and Simulation department, Clausthal-Zellerfeld, *GERMANY*

2. ICTTA352: "**An Experiment on the Design of Radial Basis Function Neural Networks for Software Cost Estimation**", Ali Idri, Alain Abran, and Samir Mbarki, ENSIAS, Mohamed V University, Rabat, *MOROCCO*

3. ICTTA398: "**A Predictive Neural Network Control Approach in Diabetes Management by Insulin Administration**", Al-Amaireh Malik Fatehy, Computer Science Department, Amman University, Amman, *JORDAN*

4. ICTTA904: "**Application of the Bee Algorithm to the Training of Learning Vector Quantization Networks for Control Chart Pattern Recognition**", D. T. Pham, and Sameh Otri, Manufacturing Engineering Centre, Cardiff University, Wales, *UK*

5. ICTTA299: "**On-Line Fault Detection by Using Filters Bank and Artificial Neural Networks**", Oussama Mustapha, Mohamad Khalil, Ghaleb Hoblos, Houcine Chafouk, Dimitri Lefebvre, and Hayssam Ziadeh, University Le Havre, *FRANCE*

6. ICTTA491: "**Contribution to hand written Arabic recognition based on connexionist method**", Mohamed Septi, and Mouldi Bedda, Université Annaba, *ALGERIA*

7. ICTTA660: "**Neuro-Fuzzy approach in the recognition of Arabic Characters**", Nadia Ben Amor, Mejed Zarai, and Najoua Essoukri Ben Amara, National Engineering School of Tunis (ENIT), *TUNISIA*

IP20: **Fuzzy & Evolutionary Information Processing** **(Thursday, April 27, 08:30 – 10:15)**
Co-Chairs: Pr. P.Y. Glorennec Dr. Hani Hamdan
INSA, Rennes, FRANCE UTC, Compiègne, FRANCE

1. ICTTA764: "**Mixture model clustering of binned uncertain data: the classification approach**", Hani Hamdan, HEUDIASYC, UMR CNRS 6599, Université de Technologie de Compiègne, *FRANCE*

2. ICTTA432: "**An Evolutionary Methodology to Eliminate the Limit Cycle Phenomenon in FCM-based Models**", Nicos Mateou, and Andreas Andreou, Department of Computer Science, University of Cyprus, Nicosia, *CYPRUS*

3. ICTTA918: "**Optimisation of a fuzzy PI-Contoller by reinforcement learning**", H. Boubertakh, and P.Y. Glorennec, INSA de Rennes, Rennes, *FRANCE*

4. ICTTA433: "**Evolutionary Multilayered Fuzzy Cognitive Maps: A Hybrid System Design to Handle Large-Scale, Complex, Real-World Problems**", Nicos Mateou, Andreas Andreou, and Constantinos Stylianou, University of Cyprus, Nicosia, *CYPRUS*

5. ICTTA649: "**Scheduling Non-Preemptive Periodic Tasks in Soft Real-Time Systems Using Fuzzy Inference**", Mojtaba Sabeghi, Mahmoud Naghibzadeh, and Toktam Taghavi, Ferdowsi University of Mashad, Mashad, *IRAN*

6. ICTTA859: "**One application of fuzzy inference system for detection of VEB's**", M.A. Chikh, and P.Y Glorennec, Laboratory of Biomedical Engineering University, Tlemcen, *ALGERIA*

IP21: **Emerging approaches and technologies** **(Wednesday, April 26, 08:30 – 10:15)**
Co-Chairs: Pr. P.Y. Glorennec Pr. Driss Mammass
INSA, Rennes, FRANCE Univ. IBN ZOHR, Agadir, MOROCCO

1. ICTTA480: "**Optimization of Mobile Phone Keypad Layout via Genetic Algorithm**", Sajjad Moradi, and Ahmad Nickabadi, Amirkabir University of Technology, Tehran, *IRAN*

2. ICTTA792: "**High-Speed Arithmetic Algorithms for Multiple-valued Logics in Mixed-Mode**", Amirpasha Mirbaha, Omid Kavehie, Pooya Asadi, and Keivan Navi, Université Paris I Sorbonne-Panthéon, Paris, *FRANCE*

3. ICTTA862: "**Fuzzy Logic Controller for a Shape Memory Alloy Tentacle Robotic Structure**", Nicu Bizdoaca, Hani Hamdan, and Dan Selisteanu, Automatic Control Department, University of Craiova, *ROMANIA*

4. ICTTA890: "**Granular Fuzzy State Machines, A New Modeling Methods**", Reza Hesamifard, Saeed Bagheri shouraki, and Amir H. Hadad, Sharif University of Technology, *IRAN*

5. ICTTA205: "**Strategy of integration of the fuzzy logic to an industrial process**", M. N. Lakhoua, and M. Annabi, ISSAT, Mateur, *TUNISIA*

6. ICTTA771: "**An Information Retrieval System for Quranic Texts: A Proposed Design**", Mohamad Fauzan Noordin, and Roslina Othman, Faculty of ICT, International Islamic University Malaysia, Jalan Gombak, Kuala Lumpur, *MALAYSIA*

7. ICTTA857: "**A Structured Sketch based Query Specification Approach with Data Binding Method for Semantic Image Retrieval**", Saiful B. M. Sabtu, Shahrul Azman Mohd Noah, and Nazlena Mhd. Ali, Universiti Kebangsaan, *MALAYSIA*

IP22: **Information-Image indexing & retrieval** **(Thursday, April 27, 14:30 – 18:00)**
Co-Chairs: Pr. Khaldoun Zreik Dr. Jehad Qubiel Odeh
University of Caen, Caen, FRANCE Al al-Bayt University, Mafraq, JORDAN

1. ICTTA403: "**A New Content-Based Image Indexing and Retrieval System of Mosaic Images**", Makrem M'hedhbi, Rim Mezhoud, Slim M'hiri, and Faouzi Ghorbel, Ecole Nationale des Sciences de l'Informatique (ENSI), *TUNISIA*

2. ICTTA411: "**Arabic information retrieval system based on noun phrases**", Fadoua Ataa Allah, Siham Boulaknadel, Driss Aboutajdine, and Abderrahim El Qadi, University of Mohamed V-Agdal, Faculty of Sciences, Rabat, *MOROCCO*

3. ICTTA525: "**A Content-Based Image Retrieval System for Osteo-Articular Applications**", Micheline Najjar, Mario Eltabach, Christophe Ambroise, Jean-Pierre Cocquerez, and Anne Cotten, Université Saint Esprit de Kaslik, Jounieh, *LEBANON*

4. ICTTA605: "**An Ontology based approach to Multilingual Information Retrieval**", Hassina Aliane, Research Center on Scientific and Technical Information, Ben Aknoun, Algiers, *ALGERIA*

5. ICTTA770: "**The Quality Indicators for an Information Retrieval System: users' perspective**", Roslina Othman, Faculty of ICT, International Islamic University Malaysia, Jalan Gombak, Kuala Lumpur, *MALAYSIA*

6. ICTTA806: "**Freedom and Restraint – Tags, Vocabularies and Ontologies**", K. F. Lawrence, and M. C. Schraeful, University of Southampton, *UK*

7. ICTTA822: "**Indexing and Information retrieval in the SBIG (Gateway sites)**", Omar Larouk, Salah Dalhoumi, and M. Hassoun, École Nationale Supérieure des Sciences de l'Information et des Bibliothèques, Lyon-Villeurbanne, *FRANCE*

8. ICTTA064: "**Image localization combined with SOM for color based retrieval**", Jehad Qubiel Odeh, Al al-Bayt University, Mafraq, *JORDAN*

IP23:   **Image Applications (*Poster Session*)**   (Tuesday, April 25, 11:15 – 13:00)
   Co-Chairs: **Dr. Hanene Trichili**   **Dr. Bassam Kurdy**
   ISBS, Univ. of Sfax, Sfax, TUNISIA   **HIAST, Damascus, SYRIA**

1. ICTTA026: "**Robust Interval Control Points Computation on Cubic Subdivision Interval Curves for Computer Graphics**", O. Ismail, Taibah University, Al-Madinah Al-Munawwarah, *KINGDOM OF SAUDI ARABIA*

2. ICTTA096: "**New Fuzzy Kohonen Clustering Network for Multilevel Thresholding**", Vahid Haghighatdoost and Reza Safabakhsh, Computational Vision and Intelligence Laboratory, Amirkabir University of Technology, Tehran, *IRAN*

3. ICTTA097: "**Real Time 2D model tracking in a PC augmented reality application**", M. Badache, and M. Benmohammed, Département d'informatique, Université El Hadj Lekhdar, Batna, *ALGERIA*

4. ICTTA152: "**Neuron Networks in Recognition the brain lesions**", Nadia Lassouaoui, Latifa Hamami, and Nadia Nouali, Samir Hadjar, Research Center on Scientific and Technical Information, Algiers, *ALGERIA*

5. ICTTA272: "**Quantitative Stochastic Analysis of Magnetic Resonance Images of the Brain**", Mounira Rouaïnia, and Noureddine Doghmane, Skikda University, *ALGERIA*

6. ICTTA287: "**A Fast Method to Approximate Affine-Transform Using Control Points with Noise Reduction**", Shohre Kasaei, S. Mohsen Amiri, Arya Bassirnia, and Pouya Mansouri, Sharif University of Technology, Tehran, *IRAN*

7. ICTTA292: "**A Generic Methodology for Image Segmentation Evaluation**", F. Hachouf, Z. Ahmed Seghir, and A. Zeggari, Département d'électronique, Université Mentouri Constantine, Constantine, *ALGERIA*

8. ICTTA374: "**Vision-based navigation algorithm for an indoor mobile Robot**", Doaa Abdelfatah, Ashraf M. Hafez, and M. Lotfy Rabeh, Department of Electrical Engineering, Shoubra Faculty of Engineering, Benha University, Cairo, *EGYPT*

9. ICTTA387: "**Breast Contour Detection on Digital Mammogram**", Mirzaalian Hengameh, Ahmadzadeh Mohammad Reza, and Kolahdoozan Farzaneh, Department of Electrical and Computer Eng, Isfahan University of Technology,Isfahan, Isfahan, *IRAN*

10. ICTTA489: "**Preprocessing Methods for Hand-written Arabic Word Recognition**", Bouchareb Faouzi, and Bedda Mouldi, Université de Skikda, *ALGERIA*

11. ICTTA625: "**A novel approach for temporal covariance analysis of gated cardiac studies in scintigraphic images**", R. Mabrouk, W. Barhoumi, and R. Ben Saleh, Unité de médecine nucléaire et traitement d'images, Faculté de Médecine de Tunis, *TUNISIA*

12. ICTTA897: "**License Plate Recognition using Multi Classifier and Multilayer Neural Network**", Siti Norul Huda Sheikh Abdullah, Marzuki Khalid, Rubiyah Yusof, and Khairuddin Omar, Universiti Teknologi Malaysia, Kuala Lumpur, *MALAYSIA*

13. ICTTA901: "**Amelioration of the JPEG2000 by a Variable Window Pretreatment**", Wiem Fourati and Mohamed Salim Bouhlel, Higher Institute of Biotechnology, Sfax, *TUNISIA*

14. ICTTA780: "**A Tool for Joint Error-Resilience and Error-Concealment in Block-Based Video Encoders**", R.M. Scopigno, and S. Belfiore, Multimedia Networks Lab, ISMB, Istituto Superiore Mario Boella, Torino, *ITALY*

15. ICTTA485: "**A Feature-Based Approach to Automated Registration of Remotely Sensed Images**", Youcef Bentoutou, Nasreddine Taleb, Kidiyo Kpalma, and Joseph Ronsin, National Center of Space Techniques (CNTS), Oran, *ALGERIA*

16. ICTTA288: "**New Methods in Using a Manipulator for Autonomous Victim Detection**", Elyas Khameneh, Seyed Hossein Khasteh, and Seyed Mohsen Amiri, Department of Computer Engineering, Sharif university of Technology, Tehran, *IRAN*

IP24:   **Information Processing** (*Poster Session*)   **(Tuesday, April 25, 14:30 – 16:15)**
         Co-Chairs: **Dr. Dana Jawdat**   **Dr. Hatem Besbes**
                               AEC, Damascus, SYRIA   **Faculty of Medicine, Tunis, TUNISIA**

1. ICTTA044: **"AraPen: an Arabic Online Handwriting Recognition System"**, Bilal Alsallakh, and Hani Safadi, Department of Artificial Intelligence, Faculty of Informatics Engineering, Damascus, *SYRIA*

2. ICTTA076: **"Chinese Text Watermarking Based on Occlusive Components of Chinese Characters"**, Wenyin Zhang, and Zhenbing Zeng, Institute of Software Engineering, East China Normal University, Shanghai, P.R.*CHINA*

3. ICTTA094: "**Correlations and Associations Analysis and Identification and Prediction of Relationships and their Activeness**", Seemab Latif, and Shoab A. Khan, National University of Science and Technology, Rawalpindi, *PAKISTAN*

4. ICTTA110: **"The era of bioinformatics"**, Dana Jawdat, The Atomic Energy Commission of Syria, Damascus, *SYRIA*

5. ICTTA148: **"Adaptive Equalization of Nonlinear Time-Varying Channels Using Radial Basis Network"**, Rima Assaf, Safwan El Assad, and Youssef Harkouss, Ecole polytechnique de l'Université de Nantes, Nantes, *FRANCE*

6. ICTTA226: **"Research of Texts Automatic Categorization Algorithm Based on Weighted Fuzzy Reasoning network"**, Gangjian Liang, Faculty of Information and Communication Engineering, Harbin Engineering University, Harbin, *CHINA*

7. ICTTA281: **"A Novel Fuzzy Classifier Using Fuzzy LVQ and Expert Knowledge to Recognize Online Persian/Arabic Handwriting"**, Mahdie Soleymani Baghshah, Saeed Bagheri Shouraki, and Shohreh Kasaei, Computer Engineering Department, Sharif University of Technology, Tehran, *IRAN*

8. ICTTA295: "**A fuzzy ART versus hybrid NN-HMM methods for Lithology identification in the triasic province**", Salim Chikhi, LIRE Laboratory, Mentouri University, Constantine, *ALGERIA*

9. ICTTA200: "**Application of the technical Frequency-Hopped to the localization of sources by array of sensors and application to the algorithm MUSIC**", Aissous kamel, Charef abdelfettah, and Yahia Moussa, Université de Jijel, *ALGERIA*

10. ICTTA365: "**Collaborative Support for Medical Data Mining in Telemedicine**", Wong Kok Seng, Rosli Bin Besar, and Fazly Salleh Abas, Faculty of Information Science and Technology, Multimedia University, Melaka, *MALAYSIA*

11. ICTTA431: "**Evolutionary GMDH-based Identification of Building Blocks for Binary-Coded Systems**", Ehsan Nazerfard, Saeed Bagheri Shouraki, and V. Hakami, Computer Engineering Department, Sharif University of Technology, Tehran, *IRAN*

12. ICTTA447: "**Enhancing the performance of data aggregation in sensor networks**", Mona Sharifnejad, M.G. Farahani, and Mohsen Sharifi, Iran University of Science and Technology, *IRAN*

13. ICTTA630: "**An approach for ECG classification using wavelets and Markov Model**", Dj Messadeg, C. Snani, and M. Bedda, Laboratoire d'automatique et signaux Annaba, University of Annaba, *ALGERIA*

14. ICTTA683: "**Case Management: Use of Fuzzy Rule-Based Systems to Improve Patient Care**", Reza Sarkhosh, and Forough Karimi, IT Management Dept, School of Management, University of Tehran, Tehran, *IRAN*

15. ICTTA882: "**Automatic Face Recognition using Neural Network-PCA**", Boualleg Abdelhalim, Bencheriet Chemessennehar, and Tebbikh Hicham, Guelma University, *ALGERIA*

16. ICTTA894: "**A Novel Multi-Valued Logic QAM**", Ali Massoud Haidar, Sarah Ghabboura, and Nawar Ahdab, Department of Computer Engineering and Informatics, Beirut Arab University, Beirut, *LEBANON*

17. ICTTA009: "**Parameter Estimation and Analysis of LFM Signal Based on Cyclic-Correlation Transform in Multipath Case**", Shi Jianfeng, and Wang Keren, Information, Electronic Engineering Institute, Anhui, *CHINA*

18. ICTTA057: "**Noise Clustering Using a New Distance**", Xiao-Hong Wu, and Jian-Jiang Zhou, College of Information Science & Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, *CHINA*

IP25:   **Signal Processing Techniques & Applications** (*Poster Session*)   **(Tuesday, April 25, 16:45 – 18:30)**
         Co-Chairs: **Dr. Hikmat Darwish**   **Dr. Najib Salaho**
                               HIAST, Damascus, SYRIA   **Aleppo University, Aleppo, SYRIA**

1. ICTTA105: **"Estimating strange attractor's dimension in very noisy data, application to FOREX time series"**, M. A. Torkamani, J. Asgari, and C. Lucas, Isfahan University of Technology, Isfahan, *IRAN*

2. ICTTA142: **"A State Representation for the Diagnosis of a Roller Bearing and Kalman Filtering"**, Ouafae Saboni, LESI de Chartres, Chartres, *FRANCE*

3. ICTTA154: "**Optimizing Secondary Source Location in Acoustic ANC Systems**", Seyed Ali Reza Seyedin, and Muhammad Hossein Abedi, Faculty of Electrical Engineering, Ferdowsi University, Mashad, *IRAN*

4. ICTTA262: **"Linear Cryptanalysis on SECOND Round Mini-AES"**, H. Khaleghi Bizaki, S. Davod Mansoori, and A. Falahati, Malek Ashtar University, *IRAN*

5. ICTTA290: "**Distance-Based Watermarking for Wave Audio Files**", A. S. Abdul-Ahad, W. A. Mahmoud, and R. S. Qahwaji, Department of Electronic Image and Media Communication School of Informatics, Bradford University, *UK*

6. ICTTA456: "**A novel technique for the generation of good quality tunable sinusoid based on DDS using digital signal processor**", S.S. Prasad, and S.K. Sanyal, Jadavpur University Kolkata, *INDIA*

7. ICTTA572: "**Tunnelling current through ultra thin Silicon Dioxide in Submicronic MOS**", Rachida Bensegueni, and Saida Latreche, Département d'électronique, Faculté des sciences de l'ingénieur, Université de Mentouri Constantine, *ALGERIA*

8. ICTTA606: "**Fixed and Mobile Interference Cancellation For Syrian National Earthquake Monitoring Network**", Hikmat Darwish, High Institute for Applied Science and Technology, Damascus, *SYRIA*

9. ICTTA728: "**Watermarking Spatial Databases based on wavelet techniques**", I. B. Ismail, I. R. Farah, and M. B. Ahmed, Ecole Nationale des Sciences de l'Informatique, Campus Universitaire de Manouba, *TUNISIA*

10. ICTTA899: "**Near Shannon limit for Turbo code with short frames**", Chokri Chemak, and Mohamed Salim Bouhlel, U.R. of Sciences Electronics, Higher Institute of Biotechnology of Sfax, *TUNISIA*

11. ICTTA907: "**Exploring Wavelets Toward an Automatic Microcalcification Detection in Breast Cancer**", Nizar Ben Hamad, Khaled Taouil, and Med Salim Bouhlel, Higher Institute of Biotechnology, Sfax, *TUNISIA*.

12. ICTTA908: "**An Adaptive Watermarking Technique for Digital Colored Images**", Abd Allah Al-Tahan Al-Nu'aimi, and Rami Qahwaji, EIMC, School of Informatics, University of Bradford, *UK*

13. ICTTA909: "**Improvement of the compression JPEG 2000 quality by Denoising Filters**", Habiba Loukil Hadj Kacem, and Mohamed Salim Bouhlel, Higher Institute of Biotechnology, Sfax, *TUNISIA*

14. ICTTA900**: "Medical Image Watermarking Scheme for preserving the image history**", Mohamed Kallel, Imen Fourati Kallel, and Mohamed Salim Bouhlel, Higher Institute of Biotechnology, Sfax, *TUNISIA*

15. ICTTA914 – "**A Secure fragile Watermarking Algorithm for medical Image Authentication in the DCT Domain**", Imen Fourati Kallel, Mohamed Kallel, and Mohamed Salim Bouhlel, Higher Institute of Biotechnology, Sfax, *TUNISIA*

Telecommunications

TEL01: **Optical Communications I (*Special Session*)**

TEL02: **Optical Communications II (*Special Session*)**

TEL03: **MIMO Systems (*Special Session*)**

TEL04: **Antennas & Propagation I**

TEL05: **Antennas & Propagation II**

TEL06: **Integrated Wireless Systems and Applications (*Special Session*)**

TEL07: **G/MPLS Networking (*Special Session*)**

TEL08: **Digital Communications – Modulation – I –**

TEL09: **Digital Communications – Modulation – II –**

TEL10: **Digital Communications – Coding**

TEL11: **Digital Communications – Turbo Coding**

TEL12: **Wireless Networking and Communication**

TEL01:   **Optical Communications I (*Special Session*)**   **(Monday, April 24, 14:30 – 16:15)**

         Co-Chairs: **Pr. Jean Le Bihan & Pr. Ammar Sharaiha**

                               Ecole Nationale d'Ingénieurs de Brest (ENIB), FRANCE

1. ICTTA659: "**Evaluation of BER and WDM Crosstalk Penalty at 2.5 Gb/s in an SOA by Holding Beam Injection around Transparency Wavelength**", Mohammad Amaya, Ammar Sharaiha, and Jean Le Bihan, École Nationale d'Ingénieurs de Brest, Brest, *FRANCE* (*Invited Paper*)

2. ICTTA228: "**A Two Levels Architecture For Bufferless WDM Optical Packet Switches**", Hadi M. Mohamadzadeh, and Masoud Sabaei, CEIT Dpt. Amirkabir University of Technology, Tehran, *IRAN*

3. ICTTA034: "**Analysis and design of an active integrated Mach-Zehnder Interferometer with Semiconductor. Optical Amplifiers and external feedback loop for all-optical self-switching**", Y.G. Boucher, and A. F. Fares, ENIB, Brest, *FRANCE*

4. ICTTA093: "**Multi-Rate Transmissions on SAC-OCDMA System Using New Enhancement Double-Weight (EDW) Codes**", Feras N. Hasoon, S. A. Aljunid, Mhd. Khazani Abdullah, and Sahbudin Shaari, Multimedia University, *MALAYSIA*

5. ICTTA160: "**Advanced Multiparty Quantum Secret Sharing using Entanglement Swapping**", Luu Thi Viet Nga, and Shimamoto Shigeru, Waseda University, Saitama, *JAPAN*

6. ICTTA475: "**Low cost technique for improving open loop fiber optic gyroscope scale factor linearity**", Medjadba Hocine, and Mohamed Lotfy Mokhtar, LSOE Dpt, EMP, *ALGERIA*

7. ICTTA481: "**Modeling of a Multilayer Wavelength Division Multiplexing Structure Using Total-Field/Scattered-Field FDTD-PML Formulation**", Majid Ahmadlou, Mahmoud Kamarei, and Mohammad Hossein Sheikhi, Shiraz University, *IRAN*

TEL02:   **Optical Communications II (*Special Session*)**   **(Monday, April 24, 16:45 – 18:45)**

         Co-Chairs: **Pr. Jean Le Bihan & Pr. Ammar Sharaiha**

                               Ecole Nationale d'Ingénieurs de Brest (ENIB), FRANCE

1. ICTTA917: "**Unipolar Optoelectronic Devices**", E. Warde, F. H. Julien, and M. Tchernycheva, Institut d'Electronique Fondamentale, UMR 8622, Université Paris Sud XI, Orsay, *FRANCE* (*Invited Paper*)

2. ICTTA239: "**Wavelength dependence of semiconductor optical amplifier gain recovery time with optical injection at the transparency wavelength**", Frédéric Ginovart, Mohammad Amaya, and Ammar Sharaiha, Laboratoire d'Optronique CNRS-UMR 6082 FOTON, ENSSAT, Lannion, *FRANCE*

3. ICTTA517: "**Aspects of Metal-Dielectric-Metal Plasmonic Waveguides**", Azzouz Sellai, Department of Physics, Sultan Qaboos University, *OMAN*

4. ICTTA338: "**InAs self assembled quantum dots and quantum dash laser on InP for 1.55μm optical telecommunications**", I. Alghoraib, L. Joulaud, C. Parantoen, A. Le Corre, O. Dehaese, N. Bertru, H. Folliot, P. Caroff, and S. Loualiche, Laboratoire d'Etude des Nanostructures à semiconducteurs (LENS), UMR 6082, INSA, Rennes, *FRANCE*

5. ICTTA518: "**Realization of all-optical inverted and non-inverted wavelength conversion using semiconductor optical amplifiers at the same output**", Ali Hamié, Ammar Sharaiha, Jean Le Bihan and Adnan Hamzé, Business & Computer University College BCU, Beyrouth, *LEBANON*

6. ICTTA307: "**Analysis of Injection-Locking Bistable Laser Diode with Frequency Chirping**", M. Aleshams, M. K. Moravvej, and M. H. Sheikhi, Department of Elect. Eng., School of Eng, TM University, *IRAN*

7. ICTTA835: "**Numerical Solutions Aspect of Nonlinear Schrodinger Equation in Monomode Optical Fiber**", Samar Y. Al-Dabagh, Maysoon .Sh.Abdalla, Dept. of phys., College of Science for Women, University of Baghdad, Baghdad, *IRAQ*

TEL03: **MIMO Systems** (*Special Session*)   (**Wednesday, April 26, 08:30 – 10:15**)
　　　　　Chair:　　Dr. Ali Ghrayeb

　　　　　　　　　　Concordia University, Montreal, CANADA

1. ICTTA010: "**A Survey on Antenna Selection for MIMO Communication Systems**", Ali Ghrayeb, Department of Electrical and Computer Engineering, Concordia University, Montreal, Quebec, *CANADA* (*Invited Paper*)

2. ICTTA115: "**Peak-to-Average Power Ratio analysis in MIMO systems**", Basel Rihawi, and Yves Louët, SCEE Department, SUPELEC, Cesson-Sévigné, *FRANCE*

3. ICTTA238: "**SPIRIT-like Multiuser Symbol Detection with Multiple Receive Antenna**", H. Khaleghi Bizaki, A. Falahati, Iran University of Science and Technology, *IRAN*

4. ICTTA534: "**A Practical Transmit Antenna Selection Scheme with Adaptive Modulation for Spatial Multiplexing MIMO System**", Ying Rao Wei, and M.Z. Wang, The Hong Kong Polytechnic University, *HONG KONG*

5. ICTTA724: "**Capacity-Based Efficient Joint Transmit and Receive Antenna Selection Schemes in MIMO Systems**", Ying Rao Wei, and M. Z. Wang, The Hong Kong Polytechnic University, *HONG KONG*

6. ICTTA041: "**On the Channel Capacity of MIMO-OFDM Systems under Fading Environments**", Huang Qiu-Lin, and Shi Xiao-Wei, School of Electronic Engineering, Xidian University, Xi'an, *CHINA*

TEL04: **Antennas & Propagation - I -**   (**Wednesday, April 26, 11:15 – 13:00**)
　　　　　Co-Chairs:　　　Pr. M. Drissi　　　　　　　　　　Dr. Koussay Kayalli

　　　　　　　　　　　　　IETR, INSA of Rennes, FRANCE　　　　Aleppo University, Aleppo, SYRIA

1. ICTTA043: "**Formulation and validation of iterative method in time domain**", Glaoui Mohamed, Hajlaoui El Amjed, ZAIRI Hassen, and TRABELSI Hichem, Département de physique, Faculté des Sciences de Tunis El Manar, *TUNISIA*

2. ICTTA113: "**Modelling of propagation of electromagnetic waves in forest-media. Application to detection and localization of targets**", Youmni Ziadé, Huy Nguyen, Hélène Roussel, and Walid Tabbara, Supelec, Gif Sur Yvettes, *FRANCE*

3. ICTTA191: "**Radiowave VHF Propagation modelling in vegetation using finite elements**", Kamran Arshad, Ferdinand Katsriku, and Aboubaker Lasebae, School of Computing Science, Middlesex University, London, *UK*

4. ICTTA218: "**Study of electromagnetic waves diffraction by a right Wedge using "The Wave Concept Iterative Process" (W.C.I.P), in Space domain**", Noemen Ammar, Taoufik Aguili, and Henri Baudrand, ENIT, *TUNISIA*

5. ICTTA942: "**Design of a Substrate Integrated Waveguide Phase Shifter**", Kheireddine Sellal, Larbi Talbi, and Tayeb A. Denidni, INRS-Telecommunications, Montreal, Quebec, *CANADA*

TEL05: **Antennas & Propagation – II –** **(Wednesday, April 26, 14:30 – 16:15)**
Co-Chairs: **Pr. M. Drissi** **Dr. Koussay Kayalli**
 IETR, INSA of Rennes, FRANCE **Aleppo University, Aleppo, SYRIA**

1. ICTTA279: "**Analysis of Infinite Phased Array of Aperture Coupled Circular Microstrip Patch Antennas**", H. R. Hassani, and M. Jahanbakht, Electrical & Electronic Eng. Dept., University of Shahed, Tehran, *IRAN*

2. ICTTA442: "**Performance of Wavelet Denoising in Ray Parameters Estimation for LOS Radio Links**", Khalil Hassan Sayidmarie, and Likka Salim Yahya, University of Mosul, Mosul, *IRAQ*

3. ICTTA543: "**Accurate Analysis of Transverse Slit in Microstrip Transmission Lines Using a Simple and Novel Technique**", Ahmad Cheldavi, Hirad Ghaemi, Iran University of Science and Technology, Narmak, Tehran, *IRAN*

4. ICTTA604: "**Symbolic Analysis of Homogeneous Interconnects**", Mohammad Khalaj-Amirhosseini, College of Electrical Engineering, Iran University of Science and Technology, *IRAN*

5. ICTTA620: "**Using ITU-R 370 Method to Analyse Spread (Propagation) Conditions in Land Mobile Systems**", A. A. Rasim, and W. A. Al Moktar, Faculty of Engineering and Technology, Sebha University, *LIBYA*

6. ICTTA692: "**Ferrite Tuned Dual-Mode Dielectric Resonator Filters**", Mohammad Naser-Moghadasi, Ramezanali Sadeghzadeh-Sheikhan, Faculty of Engineering, Science and Research Council, Islamic Azad University, Tehran, *IRAN*

7. ICTTA776: "**Analysis of Longitudinally Inhomogeneous Waveguides Using Finite Difference Method**", Mohammad Khalaj-Amirhosseini, College of Electrical Engineering, Iran University of Science and Technology, *IRAN*

TEL06: **Integrated Wireless Systems and Applications (*Special Session*)** **(Wednesday, April 26, 16:45 – 18:45)**
 Chair: **Pr. M. Drissi**
 IETR, INSA of Rennes, FRANCE

1. ICTTA330: "**EBG Antenna for microwave links application**", Rami Alkhatib, and M'hamed Drissi, CNRS IETR UMR 6164, INSA-Rennes, *FRANCE (Invited Paper)*

2. ICTTA293: "**Design, and Implementation of Ground Station Antennas for UAV Data Radio Link in UHF Band**", Zaker-H. Firouzeh, M. Moradian, A. Safari-Hajat-Aghaei, and H. Mirmohammad-Sadeghi, Isfahan University of Technology, Isfahan, *IRAN*

3. ICTTA483: "**A Novel Approach to Optimal Array Pattern Synthesis**", Mohammad Ali Masnadi-Shirazi, and Amin Zollanvari, Shiraz University, *IRAN*

4. ICTTA499: "**A Three-Dimensional Transmission Line Matrix Method (TLM) In Cylindrical Coordinates**", H. Youssef, H. Elmokdad, F. Ndagijimana, J. Jomaah, and M. Zoater, ENSERG, *FRANCE*

5. ICTTA224: "**A Variable Length Linear Array for Smart Antenna Systems**", Walid Raad, Ian S. Burnett, and Ibrahim Raad, School of Electrical Computer and Telecommunications Engineering, University of Wollongong, *AUSTRALIA*

6. ICTTA615: "**Cavity model analysis of rectangular microstrip antenna operating in TM03 mode**", A. A. Mohammad, H. Subhi, A. K. Ahmad, and S.M. Juma, Aeronautics and Space Directorate, Baghdad, *IRAQ*

7. ICTTA503: "**Feasibility of Focused Fractal Antenna Arrays**", Khalil H. Sayidmarie, and E. U. T. Al-Shabkoon, College of Electronic Eng., University of Mosul, Mosul, *IRAQ*

TEL07: G/MPLS Networking (*Special Session*)   **(Monday, April 24, 12:00 – 13:15)**

        Chair: **Dr. Chris Phillips**

        Queen Mary University of London, QMUL, UK

1. ICTTA791: "**Self-Healing Multipoint-to-Point Label Switched Paths**", Constantinos Neophytou, and Chris Phillips, Queen Mary University of London, *UK* (*Invited Paper*)

2. ICTTA188: "**Pre-Allocated Restoration technique in a Distributed GMPLS-Based IP/WDM Mesh Network**", S. Albarrak, and D. Harle, Department of Electrical and Electronic Engineering, University of Strathclyde, Glasgow, *SCOTLAND*

3. ICTTA528: "**Survivability Performance Evaluation of Slotted Multi-Fiber Optical Networks With and Without Wavelength Conversion**", Fahad A. Al-Zahrani, Umm Al-Qura University, Makkah, *SAUDIA ARABIA*

4. ICTTA699: "**GMPLS Based Multi-Constrained Recovery Algorithm**", Hua Qu, and Jihong Zhao, Xi'an Jiaotong University, Xi'an Institute of Posts and Telecom, *CHINA*

5. ICTTA824: "**New Restoration Routing Algorithm in GMPLS Networks with Optimized Bandwidth**", Hua Qu, Jihong Zhao, and Zengzhi Li, Xi'an Jiaotong University, *CHINA*

TEL08: Digital Communications – Modulation – I   **(Tuesday, April 25, 14:30 – 16:15)**

        Co-Chairs: **Pr. Ghaith El Zein**   **Dr. Reza Danesfahani**

               IETR, Rennes, FRANCE   **University of Kashan, Kashan, IRAN**

1. ICTTA319: "**Comments on the "Design of Trellis Coded MPSK for Fading Channels: Set Partitioning for Optimum Code Design"**", Hassan Abou Rajab, Eastern Meditteranean University, Famagusta, T.R.N.C., *TURKEY*

2. ICTTA022 : "**A High Bandwidth Efficiency Adaptive Turbo Trellis Coded OFDM over A Wideband Fading Channel**", Y.A. Easy, and A. Falahati, Iran University of Science and Technology (IUST), Tehran, *IRAN*

3. ICTTA209: "**Analysis of a phase-shift technique for inter-modulation cancellation proposed for 2-Carrier QPSK Systems**", Orhan Gemikonakli, Middlesex University, The Burroughs London, *UK*

4. ICTTA271: "**An Investigation into Timing Synchronization of $\pi/4$-DQPSK Signals Using Gardner Symbol Timing Error Detection Algorithm and Polyphase Filterbanks**", Mahmoud Mahlouji, and Reza Danesfahani, Department of Electrical and Computer Engineering, Azad University of Kashan, Kashan, *IRAN*

5. ICTTA003: "**Error Analysis of DS-BPSK UWB Systems in the Presence of Multiple-Access Interference**", Haiyang Ding, Yanhua Zhang, and Xuemei Wu, Ping leyuan, Chaoyang Borough, Beijing, **P.R.** *CHINA*

TEL09: Digital Communications – Modulation – II   **(Tuesday, April 25, 16:45 – 18:30)**

        Co-Chairs: **Pr. Iyad Dayoub**   **Dr. Orhan Gemikonakli**

               UVHC, Valenciennes, FRANCE   **Middlesex University, London, UK**

1. ICTTA514: "**Effect of Tap Spacing to the Performance of Discrete-Time RAKE Receivers in Exponentially Decaying Delay Profiles**", Tuncer Baykas, and Abbas Yongacoglu, University of Ottawa, Ottawa, Ontario, *CANADA*

2. ICTTA895: "**A Novel Ternary Quadrature Amplitude Modulation**", Ali Massoud Haidar, Reem Dernaika, and Fakhriah Shibani, Department of Computer Engineering and Informatics, Beirut Arab University, Beirut, *LEBANON*

3. ICTTA927: "**Performance of decorrelating and MMSE detectors with transmitter nonlinearity over non-flat fading channels**", Siavash Ghavami, and Bahman Abolhassani, Iran University of Science and Technology, Tehran, *IRAN*

4. ICTTA704: "**Blind equalization via the use of generalized pattern search optimization and zero forcing sectionnally convex cost function**", A. Zaouche, I. Dayoub, and J. M. Rouvaen, IEMN/DOAE UMR CNRS 8520, UVHC, Valenciennes, *FRANCE*

5. ICTTA561: "**An Adaptive UWB Waveform with Spectral Sharing Capability**", Rashid A. Saeed, Sabira Khatun., Borhanuddin Mohd. Ali, and Mohd. Khazani Abdullah, Computer and Comms. Sys., Eng. (CCSE), Engineering Faculty, University Putra Malaysia, Kuala Lampur, *MALAYSIA*

6. ICTTA941: "**Performance of a Non-coherent Receiver for UWB Communication and Ranging Applications**", Ahmad Idriss, Axel Schmidt, Sven Zeisberg, and Adolf Finger, University of Technology Dresden, *GERMANY*

TEL10: Digital Communications – Coding   **(Tuesday, April 25, 08:30 – 11:15)**

<table>
<tr><td>**Co-Chairs:**</td><td>Pr. Christian Chatellier</td><td>Pr. Mohiedin Wainakh</td></tr>
<tr><td></td><td>UFR SCIENCES, Chasseneuil, FRANCE</td><td>HIAST, Damascus, SYRIA</td></tr>
</table>

1. ICTTA208: "**On the robustness of a joint source-channel coding scheme for image transmission over non frequency selective Rayleigh fading channels**", Hervé Boeglen, and Christian Chatellier, University of Haute-Alsace, Mulhouse, *FRANCE*

2. ICTTA331: "**New Design of Iterative non-linear Equalizer with Parallel Convolution Concatenation Code PC3**", Muhanned Al-Farras, Ziad M. A. Ismail, Siddeeq Y. Ameen, and Sefwan Alrawi, Gulf University, *BAHRAIN*

3. ICTTA731: "**VHDL Code Automatic Generator for Systolic Arrays**", I. N. Tselepis, and M. P. Bekakos, Laboratory of Digital Systems, Dept. of Electrical and Computer Engineering, Democritus University Xanthi, *GREECE*

4. ICTTA741: "**A FPGA-based Wavefront Array Prototype Implementing the Quadrant Interlocking Factorization Method**", M. Ch. Karra, and M. P. Bekakos, School of Engineering, Democritus University of Thrace, Xanthi, *GREECE*

5. ICTTA320: "**A Novel Non-blocking Extended OVSF Codes in WCDMA**", Yih-Fuh Wang, and Tun-Ying Lin, Dept. of Information Management/Institute of Applied Information, Leader University, *TAIWAN*

6. ICTTA484: "**Efficient Memory Error Coding for Space Computer Applications**", Youcef Bentoutou, National Center of Space Techniques (CNTS), Oran, *ALGERIA*

TEL11: **Digital Communications – Turbo Coding** (Tuesday, April 25, 11:15 – 13:00)

<table>
<tr><td>**Co-Chairs:**</td><td>Dr. Amer Baghdadi</td><td>Pr. Christian Chatellier</td></tr>
<tr><td></td><td>GET / ENST Bretagne, Brest, FRANCE</td><td>UFR SCIENCES, Chasseneuil, FRANCE</td></tr>
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1. ICTTA761: "**Exploring Parallel Processing Levels for Convolutional Turbo Decoding**", Olivier Muller, Amer Baghdadi, and Michel Jézéquel, GET / ENST de Bretagne, Brest, *FRANCE* (*Invited Paper*)

2. ICTTA471: "**A Comparative Performance and Complexity Study of Short-Length LDPC and Turbo Product Codes**", Mohammad Adnan Andalusi, Electrical Engineering Department, KFUPM, Dhahran, *SAUDI ARABIA*

3. ICTTA595: "**Turbo Code Investigation for DWT-OFDM System Performance Improvement over Selective Fading Channel**", Siddeeq Y. Ameen, and Wa'il A.H. Hadi, University of Technology, Baghdad, *IRAQ*

4. ICTTA067: "**Reliable Wireless Transmission for Layered Image Coding**", Bashar Barmada, and Ed Jones, Faculty of Electrical and Electronic Engineering, University of Aleppo, *SYRIA*

5. ICTTA756: "**Iterative Decoding of Product Codes Constructed from Majority Logic Decodable Codes**", Mostafa Belkasmi, Mohamed Lahmer, and Fouad Ayoub, ENSIAS, Rabat, *MOROCCO*

6. ICTTA005: "**Performance of turbo irregular LDPC codes**", Xiaoli Wu, Jianhua Ge, Yong Wang and Anjun Yue, National key lab of ISN, Xidian Univ. Xi'an, **P.R.** *CHINA*

7. ICTTA712: "**Power optimization in Turbo coded Halftoned Images**", P.S. Satyanarayana, Andhe Dharani, and Andhe Pallavi, R.V.College of Engineering, Bangalore, Karnataka, *INDIA*

TEL12: **Wireless Networking and Communication** (Tuesday, April 25, 11:15 – 13:00)

<table>
<tr><td>**Co-Chairs:**</td><td>Pr. Gilbert Martineau</td><td>Dr. A. Yongacoglu</td></tr>
<tr><td></td><td>GET / ENST Bretagne, Rennes, FRANCE</td><td>University of Ottawa, Ontario, CANADA</td></tr>
</table>

1. ICTTA509: "**Predictive Association Algorithm for IEEE 802.11 WLANs**", Ozgur Ekici, and Abbas Yongacoglu, School of Information Technology and Engineering, University of Ottawa, Ottawa, Ontario, *CANADA*

2. ICTTA015: "**Performance Enhancement of Wireless Local Area Networks**", Walid Hneiti, and Naim Ajlouni, Amman Arab University for Graduate Studies, Amman, *JORDAN*

3. ICTTA552: "**Pattern-Based Communication: A New Paradigm for Energy-Aware Wireless Networks**", Amirhosein Taherkordi, Majid Alkaee Taleghan, and Mohsen Sharifi, Iran University of Science and Technology, Tehran, *IRAN*

4. ICTTA716: "**On Optimizing Backoff Procedure to Enhance Throughput and Fairness for Wireless LANs**", Adel AlAkeel, Ashraf Mahmoud, and Uthman A. Baroudi, King Fahd University of Petroleum & Minerals, Dhahran, *KSA*

5. ICTTA031: "**Dependability analysis of Wireless Local Area Networks**", Walid Hneiti and Naim Ajlouni, Amman Arab University for Graduate Studies, Amman, *JORDAN*

TEL13: **Mobile Communications & Cellular Networks** (Thursday, April 27, 14:30 – 18:00)

<table>
<tr><td>**Co-Chairs:**</td><td>Pr. Ghais El Zein</td><td>Pr. M. Abdel-Naby</td></tr>
<tr><td></td><td>IETR, Rennes, FRANCE</td><td>Qatar University, Doha, QATAR</td></tr>
</table>

1. ICTTA053: "**Channel Assignment of Microcellular Mobile Radio Networks**", M. Abdel-Naby, M. Nofal, S. Khames, H. El-Khoby and M. Hasna, EE Dept., College of Eng., Qatar University, Doha, *QATAR*

2. ICTTA571: "**A New Method for Indoor Tracking and Tracing System**", A. Abdallah, Computer & Communication Department, Islamic University Of Lebanon, Khaldeh, *LEBANON*

3. ICTTA656: "**Mobility Model of Vehicular Terminals in Cellular Networks**", Ali Sheikh Hassani, Amir Reza Momen, and Paeiz Azmi, Iran Telecommunication Research Center, *IRAN*

4. ICTTA380: "**The Perceptually Quality enhancement Strategy of Mobile Transmission System via the watermark channel indexing and HVS-based bit allocation technology**", C. L. Lai, W. J. Huang, and J.C. Yang, Oriental Institute of Technology, Taipei, *TAIWAN*

5. ICTTA048: "**Exploiting Time Diversity to Improve Block Spread OFDM in A Multipath Environment**", Ibrahim S. Raad, and Xiaojing Huang, University of Wollongong, *AUSTRALIA*

6. ICTTA269: "**The Interference Performances when WCDMA and HSDPA Coexist**", Pei Li, and Weiling Wu, School of information engineering, Beijing University of Posts and Telecommunications, Beijing, *CHINA*

TEL14:	**Ad-Hoc Networks**	**(Thursday, April 27, 11:15 – 13:00)**
Co-Chairs:	**Dr. M. El Koutbi**	**Pr. Gilbert Martineau**
	ENSIAS, Rabat, MOROCCO	**GET / ENST Bretagne, Rennes, FRANCE**

1. ICTTA373: "**Enhancing AODV Performance based on Statistical Mobility Quantification**", Nourddine Enneya, Mohamed El Koutbi, and Amine BERQIA, University of Mohamed V-Agdal, Faculty of Science, GSCM, Rabat, *MOROCCO*

2. ICTTA050: "**Dynamic resource allocation in Ad-Hoc hybrid high speed wireless network**", Andrey Gaynulin, and Vladimir Krylov, Nizhny Novgorod State Technical University, Nizhny Novgorod, *RUSSIA*

3. ICTTA063: "**Performance of Resource Efficient Routing Protocols for Wireless Ad-hoc Networks in the Presence of Channel Fading**", Asrar U. H. Sheikh and Kaleem Ullah Khan, Electrical Engineering Department, KFUPM, *KSA*

4. ICTTA779: "**Achieving a good trade-off between complexity and enhancement in cross-layer architectures**", Lamia Romdhani, and Christian Bonnet, Eurecom Institute, Sophia Antipolis, *FRANCE*

5. ICTTA705: "**Node-Disjointness-Based Multipath Routing for Mobile Wireless Ad Hoc Networks**", Xun Zhou, Yu Lu, and Hong Ge Ma, Computer Science and Communication Engineering, Southwest Jiaotong University, Chengdu, *CHINA*

TEL15:	**Satellite & Space Communications**	**(Monday, April 24, 16:45 – 18:45)**
Co-Chairs:	**Pr. Fatih Alagöz**	**Pr. Reza Danesfahani**
	Boğaziçi University, Istanbul, TURKEY	**University of Kashan, Kashan, IRAN**

1. ICTTA259: "**Deflection Routing over Prioritized Intersatellite Links in LEO Satellite Networks**", Ömer Korçak, and Fatih Alagöz, Computer Engineering Department, Boğaziçi University, Istanbul, *TURKEY*

2. ICTTA231: "**A Novel Constellation of Satellites**", Reza Danesfahani, and Mahmoud Pirhadi, Faculty of Engineering, University of Kashan, Kashan, *IRAN*

3. ICTTA204: "**CRT: an Adaptive Routing Protocol for LEO Satellite Networks**", Yan He, and Susanna Pelagatti, Department of Computer Science, University of Pisa, Pisa, *ITALY*

4. ICTTA265: "**An Investigation into Availability Percentage of Non-Geostationary Satellites**", Reza Danesfahani, Mohammad Naser-Moghaddasi, and Fatemeh Sharifkhani, Faculty of Engineering, University of Kashan, Kashan, *IRAN*

5. ICTTA343: "**USRAN Capacity Study and Dimensioning**", Nawel Zangar, Marwen Abdennebi, Sami Tabbane, and Samir Tohme, PRiSM Laboratory – CNRS UMR 8144, University of Versailles, *FRANCE*

6. ICTTA409: "**A New Satellite Multicast Security Protocol Based on Elliptic Curve Signatures**", Attila Altay Yavuz, Fatih Alagöz, and Emin Anarm, Bogaziçi University, Computer Engineering Department, Istanbul, *TURKEY*

7. ICTTA590: "**Alsat-1 First Algerian Low Earth Orbit Observation Microsatellite in Orbit**", A.M. Si Mohammed, A. Boudjemai, M. Benyettou, Y. Hashida, M. N. Sweeting, and J. R. Cooksley, Centre National des Techniques Spatiales, Arzew, *ALGERIA*

TEL16: **Communication Systems – I –** (Wednesday, April 26, 08:30 – 10:15)
Co-Chairs: **Dr. Iyad Dayoub** **Pr. Jamal Assaad**
UVHC, Valenciennes, FRANCE **Université de Valenciennes, FRANCE**

1. ICTTA216: "**Security Enhancement in CDMA with a Hidden Direct Sequence Spread Spectrum System**", A. Falahati, Mehdi Tafaroji, and Mehran Mashreghi, Iran University of Science and Technology, *IRAN*

2. ICTTA425: "**Prediction-Based Minimum Rate Maximization Link Adaptation Strategy Revisited**", A. Alsawah, I. Fijalkow, and C. R. Johnson, ETIS laboratory - UMR 8051, ENSEA, University of Cergy Pontoise, CNRS, Cergy, *FRANCE*

3. ICTTA467: "**Tradeoffs between Timing Jitter and Mean-Time-to-Lose-Lock in DLL Code Tracking of CDMA Signals**", Ganiyu B. Hussain, and Mohamed A. Andalusi, King Fahd University of Petroleum & Minerals, Dhahran, *SAUDI ARABIA*

4. ICTTA851: "**Radio over Fibre networks: Low cost solution for different applications and emerging technologies**", Iyad Dayoub, Y. Zouin, A. Okasa M'Foubat, J. M. Rouvaen, J. P. Vilcot, and D. Decoster, UVHC, Valenciennes, *FRANCE*

5. ICTTA875: "**Adaptive QoS-Based Scheduler for 4G CDMA Wireless Networks**", Uthman Baroudi, Yousuf Mohammed, and Ashraf Mahmoud, King Fahd University of Petroleum and Minerals, Dhahran, *SAUDI ARABIA*

6. ICTTA939: "**Iterative Channel estimation and equalization for STBC MC-CDMA System over Time- and Frequency - Selective Fading Channels**", M. A. S. Hassan, Bayan S. Sharif, Wai Lok Woo, and A. M. Hmidat, University of Newcastle upon Tyne, Merz Court, *UK*

TEL17: **Communication Systems – II –** (Wednesday, April 26, 11:15 – 13:00)
Co-Chairs: **Dr. N. Sklavos** **Dr. Amer Baghdadi**
University of Patras, Patras, GREECE **GET / ENST Bretagne, Brest, FRANCE**

1. ICTTA021: "**Hierarchical Evolution of Digital Combinational Circuits**", F. Hadjam, and M. Benmohammed, Dept. d'informatique Université de Sidi Bel-Abbes, SBA, *ALGERIA*

2. ICTTA122: "**Design of optimal narrow band filter for delta sigma modulator**", Essam E. Hassan, Department of Electrical Engineering, King Fahd University of Petroleum and Minerals, Dhahran, *SAUDI ARABIA*

3. ICTTA244: "**On the advantages of GaAs dual-gate MESFET's in comparison to Single-gate MESFET's**", Hamida Djelti, Mohamed Feham, Mohamed Kameche, and A. Ouslimani, University Abou Bakr Belkaid of Tlemcen, Tlemcen, *ALGERIA*

4. ICTTA622: "**System Level Methodology Evaluation of Reconfigurable Computing Architectures**", Faten Ben Abdallah, and Ammar Bouallegues, SYSCOM laboratory, Technologies of I & C Department, High School of Engineering, Tunis, *TUNISIA*

5. ICTTA866: "**Area-Optimized Architecture & Implementation of the PELICAN MAC Function**", N. Sklavos, and C. Efstathiou, Electrical and Computer Engineering Dept., University of Patras, Patras, *GREECE*

TEL18: **Communication Systems – III –** (Wednesday, April 26, 14:30 – 16:15)
Co-Chairs: **Dr. Bassel Soudan** **Pr. Jamal Assaad**
University of Sharjah, UAE **Université de Valenciennes, FRANCE**

1. ICTTA808: "**A 10mW Low-Noise Amplifier Design for 5.5 GHz Wireless Communication Systems**", Iyad Kebaisy, Sven Domann, and Bernd Meinerzhagen, BST, TU-Braunschweig, Braunschweig, *GERMANY*

2. ICTTA413: "**Secure Communication in an Embedded Environment**", Majed Abu Khater, Malek H. Amro, Anas Abu Laban, and Bassel Soudan, Department of Electrical and Computer Engineering, College of Engineering, University of Sharjah, *UAE*

3. ICTTA551: "**A Novel Design of an Industrial Data Acquisition System**", Ziad Salem, Ismail Al Kamal, and Alaa Al Bashar, Faculty of Electronic and Electrical Engineering, Aleppo University, Aleppo, *SYRIA*

4. ICTTA610: "**Communication system for controlling smart appliances using power line communication**", Sheroz Khan, Mohammad Rafiqul Islam, Othman O Khalifa, Abubkar Hassan, and Ismail Adam, International Islamic University, *MALAYSIA*

5. ICTTA635: "**Novel Architecture for IEEE-754 Standard**", Omid Kavehie, Amir Pasha Mirbaha, Noushin Dadkhahi, and Keivan Navi, Department of Electrical & Computer Engineering,Velenjak, Tehran, *IRAN*

TEL19: **Communication Systems – IV–** (Wednesday, April 26, 16:45 – 18:30)
Co-Chairs: Pr. M. Said Safadi Pr. Ghais El Zein
Univ. of Damascus, Damascus, SYRIA IETR, Rennes, FRANCE

1. ICTTA095: "**Proposed Reconfigurable Solution to Meet SDR Implementation – The Equalizer/Rake Case Study**", Yasser Jaamour, and Mohammad Said Safadi, Department of Electronics and Communications Engineering, University of Damascus, Damascus, *SYRIA*

2. ICTTA766: "**Reduced Complexity EGPRS Equalizer for Base Station DSP**", Rémi Dubroca, Christophe De Luigi, David Sanchez, and Eric Moreau, Wireless Infrastructure Division, STMicroelectronics, Biot, *FRANCE*

3. ICTTA657: "**Low cost Downlink radio-optic demonstrator for distributed antenna system indoor wireless applications**", I. Dayoub, A. Zaouche, J. M. Rouvaen, C. Lethien, J. P. Vilcot, and D. Decoster, DOAE – UVHC, Valenciennes, *FRANCE*

4. ICTTA116: "**Digital Hardware Choices For Software Radio (SDR) Baseband Implementation**", M. S. Safadi, and D. L. Ndzi, Department of Electronics and Communications Engineering, University of Damascus, Damascus, *SYRIA*

5. ICTTA785: "**Adaptive compensation of High Frequency Memory Effects of a Realistic Amplifier in an OFDM System**", Ammar Chaker, Myriam Ariaudo, Sylvain Traverso, Jean-Luc Gautier, and Inbar Fijalkow, ENSEA/UCP, Cergy-Pontoise, *FRANCE*

6. ICTTA726: "**Improved Equalization for UWB Multiband OFDM**", S. Traverso, M. Ariaudo, I. Fijalkow, C. Lereau, D. Callonnec, and J-L. Gautier, ECIME - ENSEA/UCP – 6, Cergy-Pontoise, *FRANCE*

7. ICTTA549: "**Time Acquisition Performance of PN Spread Spectrum Signal in the Presence of Intentional Jamming**", Emad Shehab Ahmed, and Sanaa Jabr, University of Technology, Baghdad, *IRAQ*

TEL20: **3G&4G Mobile Communication Services** (Monday, April 24, 12:00 – 13:15)
Co-Chairs: Dr. Basil Dudin Dr. S. Al Qahtani
University of Lancaster, UK KFUPM, Dhahran, KSA

1. ICTTA247: "**Optimizing Resources Allocation by Filtering Operations and QoS Classes in 3G Wireless Networks**", Asma Ben Letaifa, Zièd Choukair, and Sami Tabbane, SUPCOM, Unité de recherche MEDIATRON, Cité El Ghazala, *TUNISIA*

2. ICTTA426: "**A Study on Network Sharing and Radio Resource Management Considerations in 3G and Beyond Mobiles Wireless Networks Supporting Heterogeneous Traffic**", S. AlQahtani, A. S. Mahmoud, Uthman Baroudi, and A. U. Sheikh, KFUPM, Dhahran, *KSA*

3. ICTTA454: "**Uplink Call Admission schemes for 3G and Beyond Mobiles Wireless Networks Supporting Heterogeneous Traffic**", Salman Al Qahtani, and Ashraf S. Mahmoud, KFUPM, Dhahran, *KSA*

4. ICTTA574: "**Implementation of a Fuzzy Inference Based Engine to Incorporate Patterns of Customer. Usage in the Management of Third – Generation (3G) Systems**", Basil Dudin, Paul Coulton, and Reuben Edwards, Department of Communication Systems, Infolab21, Lancaster, *UK*

5. ICTTA896: "**Evaluating the performance of ARQ and HARQ I over Nakagami fading channels**", Hatem Boujemâa, Samia Soussi, and Mohamed Siala, Ecole Supérieure des Communications de Tunis, MEDIATRON Laboratory, Ariana, *TUNISIA*

TEL21: **Mobile & Wireless Networks (*Poster Session*)** (Tuesday, April 25, 16:45 – 18:30)
Co-Chairs: Dr. Mo Adda Pr. Mohiedin Wainakh
University of Portsmouth, UK HIAST, Damascus, SYRIA

1. ICTTA194: "**Bluetooth Remote Control**", Mohamad Maher Alhakim, Ibrahim Al-Kittani, Anas Baqleh, Mohamad Swidan, and Nizar Zarka, Intelligent Network Engineer, Huawei Technologies, Damascus, *SYRIA*

2. ICTTA195: "**Temperature Control Via SMS**", Nizar Zarka, Iyad Al-Houshi and Mohanad Akhkobek, Telecom department, Higher Institute for Applied Sciences and Technology (HIAST), Damascus, *SYRIA*

3. ICTTA212: "**A Transponder Anti-Collision Algorithm Based on a Multi-Antenna Rfid Reader**", Hachani Abderrazak, Belhadj Slaheddine, and Bouallègue Ridha, Facultée des sciences de Bizerte, Jarzouna, *TUNISIA*

4. ICTTA282: "**Simulation and refinement of Directional Source Aware routing Protocol for wireless sensor networks**", Samir El-Haddad, Marc Girod-Genet, and Bachar El-Hassan, RS2M Dpt, GET/INT, Évry, *FRANCE*

5. ICTTA337: "**A Theoretical Analysis of combination of M/M/n and M/M/n/N for Mobile**", Md. Imdadul Islam, Md. Shahriar Karim, and A.B.M Siddique Hossain, Dept. of Computer Science and Engineering, Jahangirnagar University, Savar, *BANGLADESH*

6. ICTTA382: "**Statistical evaluation of code performance for Multi-rate CDMA system**", Rim Guedria, Rafik Zayani, and Ridha Bouallegue, Sys'Com ENIT, *TUNISIA*

7. ICTTA386: "**LOOM Data monitoring using wireless technology**", M. H. Shenassa, and K. Khakpour, Department of Control Engineering, K. N. Toosi University of technology, *IRAN*

8. ICTTA405: "**Study of a Wireless Medium Access Method inspired from PCF for industrial applications**", W. Fahs, B.Bakhache, M. Misson, and F. Jacquet, Blaise Pascal University, IUT of Clermont Ferrand, *FRANCE*

9. ICTTA451: "**A fast Handoff mechanism for Mobile Internet**", Jamal N. Al-Karaki, and Ahmed E. Kamal, Dept. of Electrical and Computer Engineering, The Hashemite University, Zarka, *JORDAN*

10. ICTTA486: "**Comparison of two Strategies for Serial Acquisition of CDMA**", Mohiedin Wainakh, Communication department, Higher Institute of Applied Science & Technology, Damascus, *SYRIA*

11. ICTTA568: "**Wireless Technology: Current Status and Future Directions**", Othman O. Khalifa, S. Khan, A. Albagul, and Mohammed Elshabani, International Islamic University Malaysia, Kulliyyah of Engineering, *MALAYSIA*

12. ICTTA634: "**WiMob Ad Hoc Proactive and Reactive Routing Protocol Simulation Assessment**", S. R. Chaudhry, A. N. Al-Khwildi, Y K Casey, and H S Al-Raweshidy, School of Engineering & Design, Brunel University, West London, *UK*

13. ICTTA793: "**Optimal QoS and Adaptative routing in Wireless Sensor Networks**", Nesrine Ouferhat, and Abdelhamid Mellouk, Laboratory of Image, signal and Intelligent Systems Lab-LISSI University of Paris XII, Vitry Sur Seine, *FRANCE*

14. ICTTA823: "**Voice over IP on Wireless Networks**", Mo Adda, Amanda Peart, and Laurence Rochfort, School of Computing, University of Portsmouth, Lion Terrace, Portsmouth, *UK*

15. ICTTA928: "**A new smart antenna for CDMA using Nelder-Mead simplex algoprithm and ESPAR antenna**", Akram Baharlouei, Bahman Abolhassani, and Homayoon Oraizi, Iran University of Science and Technology, Tehran *IRAN*

16. ICTTA367: "**Study of RFID Middleware for Distributed Large-scale Systems**", Feng Bo, Li Jin-Tao, Zhang Ping, Guo Jun-Bo, and Ding Zhen-Hua, Institute of Computing Technology, Chinese Academy of Sciences, Beijing, *CHINA*

Software Engineering

& Networking

SEN01: **Systems and Requirement Engineering, (*Special Session*)**
SEN02: **Optimization Techniques: "Theory and Applications"**
SEN03: **Software Engineering & Modeling**
SEN04: **Software Architecture, Programming & Quality Assurance**
SEN05: **Database Management Systems**
SEN06: **Multimedia – Techniques & Applications – I –**
SEN07: **Multimedia – Techniques & Applications – II –**
SEN08: **Agent & Multiagents Systems in ICT – Organization & Behavior**
SEN09: **Agent & Multiagents Systems in ICT – Systems & Applications**
SEN10: **Networking – Control managment**
SEN11: **Networking – Routing & traffic managment**
SEN12: **Networking – Dedicated techniques & evolution**
SEN13: **Networking - Security**
SEN14: **QoS - Management**
SEN15: **QoS – Case applications & new approaches**
SEN16: **Information security & Data Protection**
SEN17: **Web Engineering & Application**
SEN18: **Parallel computing**
SEN19: **Distributed systems**
SEN20: **Knowledge Based Systems**
SEN21: **Decision Support Systems**
SEN22: **Computer Science Issues**
SEN23: **Immersive visualisation & interaction: Usability, design & applications**
SEN24: **Software Engineering Issues (*Poster Session*)**

SEN01: **Systems and Requirement Engineering, (*Special Session*)**   **(Monday, April 24, 12:00 – 13:15)**

   Chair: **Pr. Sahraoui Abd-El-Kader**

                   LAAS-CNRS & Université Toulouse, FRANCE

   1.   ICTTA421: "**Processes for Engineering a System An introduction to Processes, Methods and Tools**", Abd-El-Kader Sahraoui, LAAS du CNRS, Industrial engineering Dept., University of Toulouse, Toulouse, *FRANCE* (*Invited Paper*)

   2.   ICTTA366: "**Software Cost Estimation Using Use-Case Models: a Critical Evaluation**", Ayman Issa, Mohammed Odeh, and David Coward, Centre for Complex Cooperative Systems, University of the West of England, Bristol, *UK*

   3.   ICTTA632: "**Dependency Analysis and Default Tolerance in BHDL**", Ammar Aljer, Philippe Devienne, and Johan Hubert, Comp. Science Lab. of Lille, Science and Technology University of Lille, Villeneuve d'Ascq, *FRANCE*

   4.   ICTTA837: "**Examination and Classification of Security Requirements of Software Systems**", Toktam Ramezani, and Mohammad Reza Razzazi, Amirkabir University of Technology, Tehran, *IRAN*

   5.   ICTTA078: "**Redesigning Legacy Systems using Hybrid Re-engineering**", Naim Ajlouni, and Feras Bani Hani, Amman Arab University for Graduate Studies, Amman, *JORDAN*

SEN02: **Optimization Techniques: "Theory and Applications"** (Monday, April 24, 14:30 – 16:15)

Co-Chairs: **Pr. Miroslav Svítek** **Dr. Abdul-Wahid A. Saif**

Czech Technical Univ., CZECH REPUBLIC **KFUPM, Dhahran, SAUDI ARABIA**

1. ICTTA905: "**Probabilistic Multi-Modeling by Quantum Calculus**", Miroslav Svítek, Czech Technical University in Prague, Faculty of Transportation Sciences, Prague, *CZECH REPUBLIC*

2. ICTTA414: "**An Improved Exact Algorithm for the Domatic Number Problem**", Tobias Riege, Jörg Rothe, Holger Spakowski, and Masaki Yamamoto, Institut für Informatik, Heinrich-Heine-Universität Düsseldorf, Düsseldorf, *GERMANY*

3. ICTTA863: "**Simulation Optimization of a Four Stages Supply Chain System**", Abdul-Wahid A. Saif, and Mohamed E. Seliaman, King Fahd University of Petroleum and Minerals, Dhahran, *SAUDI ARABIA*

4. ICTTA720: " **New Design of RNS Subtractor for Modulo 2N+1**", Somayeh Timarchi, Keivan Navi, and Mehdi Hosseinzade, Shahid Beheshti University, Evin, Tehran, *IRAN*

5. ICTTA881: "**Implementation of new Behavioral Description Optimization with Complexity Evaluation**", Mouhamad Ayman Naal, Kholoud Fael, and Yahya Najjar, University of Aleppo, Aleppo, *SYRIA*

6. ICTTA276: "**Heuristic Algorithms for the Set-Coloring Problem**", Maya Satratzemi, Department of Applied Informatics, University of Macedonia, *GREECE*

7. ICTTA690: "**A Hierarchical Task Network Planning Approch for Optimizing Energy Production**", Kaddour Boukerche, and Hakim Lounis, Université du Québec à Montréal, Montréal, *CANADA*

SEN03: **Software Engineering & Modeling** (Wednesday, April 26, 08:30 – 10:15)

Co-Chairs: **Dr. Muhsen Hussein** **Dr. Jean-Louis Boulanger**

Univ. of Al Baath, Homs, SYRIA **UTC, Compiegne, FRANCE**

1. ICTTA135: "**A framework for model driven production of graphic modeling tools**", Bassem Kosayba, Information Technology, LIFL, Université des Sciences & Technologies de Lille, Villeneuve d'Ascq, *FRANCE*

2. ICTTA563: "**Using Graph Rewriting Systems for Automating Software Evolution Activities**", Yahya Maweed, Mourad Bouneffa, Pierre-Marie Oum Oum Sack , and Henri Basson, Laboratoire d'Informatique du Littoral, Calais, *FRANCE*

3. ICTTA860: "**From graphical design in STATEMATE to formal specification in Event B**", Leila Jemni Ben Ayed, and Ahlem Ben Younes, Faculté des Sciences de Tunis, *TUNISIA*

4. ICTTA871: "**Supporting Collaboration in Agent-based collaborative learning System (SACA)**", Yacine Lafifi, and Tahar Bensebaa, Guelma University, Guelma, *ALGERIA*

5. ICTTA360: "**Building a UML profile for COSA software Architecture**", Adel Alti, Tahar Khammaci, and Adel Smeda, Département Informatique, Université UFAS, Sétif, *ALGERIA*

6. ICTTA125: "**B/HDL: design of safety circuit**", Boulanger Jean-Louis, Laboratoire HeuDiaSyC, UMR CNRS 6599, Université de Technologie de Compiègne, Compiegne, *FRANCE*

7. ICTTA368: "**Modeling and Analyzing Dynamic Software Architecture Based on π-Net**", Xiao Fu, Xinyu Da, and Zhenhua Yu, School of Telecommunication Engineering, Air Force Engineering University, Xi'an, **P.R.** *CHINA*

SEN04: **Software Architecture, Programming & Quality Assurance** (Tuesday, April 25, 08:30 – 10:15)

Co-Chairs: **Dr. Nawar Al Awa** **Dr. Abd El Kader Sahraoui**

Univ. of Damascus, Damascus, SYRIA **LAAS, Toulouse, FRANCE**

1. ICTTA251: "**Free and Open Source Software Quality Assurance**", Anas Tawileh, and Omer Rana, School of Computer Science, Cardiff Univeristy, Cardiff, *UK*

2. ICTTA617: "**On Building an Integrated and Generic Platform for Software Quality Evaluation**", Pierre Marie Oum Oum Sack, Mourad Bouneffa, Yahya Maweed, and Henri Basson, Laboratoire d'Informatique du Littoral, Calais, *FRANCE*

3. ICTTA775: "**Component Reusability and Cohesion Measures in Object-Oriented Systems**", Gui Gui, Department of Computer Science, University of Essex, Colchester, *UK*

4. ICTTA810: "**An Investigation of Agent Oriented Software Engineering Methodologies to Provide an Extended Methodology**", Afsaneh Fatemi, Naser Nematbakhsh, and Behrooz Tork Ladani, Isfahan University, *IRAN*

5. ICTTA264: "**Multi-Level Mediator-Based Technique for Classes Hot Swapping in Java Applications**", Saleh Alhazbi, and Aman Jantan, Computer Science Dept, Qatar University, Doha, *QATAR*

6. ICTTA910: "**Developing embedded applications with Selectable Components of the Cléopatre Free Open Source library**", Maryline Silly-Chetto, IRCCyN, University of Nantes, Nantes, *FRANCE*

7. ICTTA602: "**Integrating Transaction and Replication Techniques in CORBA from Replica Consistency Point of View**", Hadi Salimi, and Mohsen Sharifi, Computer Engineering Department, Iran University of Science and Technology, *IRAN*

SEN05: **Database Management Systems**   **(Tuesday, April 25, 16:45 – 18:45)**
Co-Chairs: **Dr. Madlin Aboud**   **Dr. Abd El Kader Sahraoui**
         University of Damascus, SYRIA   **LAAS, Toulouse, FRANCE**

1. ICTTA035: "**Rules for deriving efficient independent transaction**", Hamidah Ibrahim, Faculty of Computer Science and Information Technology, Universiti Putra Malaysia, Serdang, *MALAYSIA*

2. ICTTA678: "**Efficient Space Management for B-tree Structure-Modification Operations**", Ibrahim Jaluta, and Dibyendu Majumda, Engineering, Helsinki University of Technology, *FINLAND*

3. ICTTA679: "**Concurrent and Recoverable Restructuring Method for Database Indexes**", Ibrahim Jaluta, and Mabruk Abusa, Engineering, Helsinki University of Technology, *FINLAND*

4. ICTTA397: "**Design of a Scalable Distributed Database System: SD-SQL Server**", Soror Sahri, CERIA, Paris-Dauphine University, Paris, *FRANCE*

5. ICTTA530: "**A new approach for event triggering probability estimation in active database systems to improve rule scheduling**", A. Rasoolzadegan, R. Alesheykh, and A. Abdollahzadeh, Tehran Polytechnic, Tehran, *IRAN*

6. ICTTA536: "**Location dependent transaction for mobile environment**", Ahmad Alqerem, and Walter Hussak, *JORDAN*

7. ICTTA936: "**A Bottom-up Distance-based Index Tree for Metric Space**", Bing Liu, Wei Wang, Jianjun Xu, Heping Yan, and Baile Shi, Fudan University, Shanghai, *CHINA*

8. ICTTA937: "**Subsequence Similarity Search under Time Shifting**", Bing Liu, Wei Wang, Jiangjiao Duan, Zhihui Wang, and Baile Shi, Department of Computing and Information Technology, Fudan University, Shanghai, *CHINA*

SEN06: **Multimedia: Techniques & Applications – I –**   **(Thursday, April 27, 08:30 – 10:15)**
Co-Chairs: **Pr. Sun Hong**   **Pr. Georgi M. Dimirovski**
         Wuhan University, CHINA   **Dogus University, Istanbul, TURKEY**

1. ICTTA422: "**Multimedia transfer over Internet: A control based improvement of AIMD algorithm**", Yuanwei Jing, and Georgi M. Dimirovski, Northeastern University, School of Information Science & Engineering, Institute of Control Science, Shenyang, Liaoning, **P. R.** *CHINA* **(*Invited paper*)**

2. ICTTA079: "**A CBR Rate Control Algorithm Based on IQM**", He Jun, and Sun Hong, Lab of Signal Processing, School of electronic Information, Wuhan University, Wuhan, **P. R.** *CHINA*

3. ICTTA855: "**Towards the convergence of MHP and MEPG-4 interactive TV content: Requirements Specifications**", M. Khadraoui, B. Hirsbruner, PAI research group, department of Informatics, University of Fribourg, *SWITZERLAND*, and Djamel Khadraoui, CRP Henri Tudur, *LUXEMBOURG*

4. ICTTA062: "**A Fractal-based Algorithm for the Metamorphic Animation**", Chuanbo Chen, Yunping Zheng and Mudar Sarem, Huazhong University of Science and Technology Department of Computer Application, Wuhan, Hubei, *CHINA*

5. ICTTA861: "**ALiFE: Automatic Lip Feature Extraction: A New Approach for Speech Recognition Application**", Salah Werda, Walid Mahdi, Mohamed TMAR, and Abdelmajid BEN Hamadou, Higher Institute of Computer Science and Multimedia, Sfax, *TUNISIA*

6. ICTTA666: "**Accurate Feature Point matching Based on Affine Iterative Model**", Baosong Deng, Yu Gao, Lingda Wu, and Yingmei Wei, Center, National University of Defense Technology, Changsha, **P.R.** *CHINA*

SEN07: **Multimedia – Techniques & Applications – II –**   **(Thursday, April 27, 11:15 – 13:00)**
Co-Chairs: **Pr. Sun Hong**   **Pr. Georgi M. Dimirovski**
         Wuhan University, CHINA   **Dogus University, Istanbul, TURKEY**

1. ICTTA801: "**Multimedia Medical Application by Filimage System: Automatic Extraction of Images Associated to Textual Comments**", Behnami Shahnaz, Paris-Sorbonne University, *FRANCE*

2. ICTTA077: "**Analysis and implementation of a "Quranic" verses delimitation system in audio files using speech recognition techniques**", H.Tabbal, W. El Falou, and B. Monla, Lebanese Univ., faculty of Engineering, Tripoli, *LEBANON*

3. ICTTA341: "**An Efficient Middleware for Power-Aware Service Reconfiguration in Multi-DSP Smart Cameras**", A. Doblander, A. Maier, B. Rinner, and A. Zoufal, Institute for Technical Informatics, Graz Univ. of Technology, Graz, *AUSTRIA*

4. ICTTA744: "**Storytelling Approach in Multimedia Courseware: An Introduction to Science for Preschool Education**", Zurina Muda, Faculty of Information Science & Technology, Universiti Kebangsaan, *MALAYSIA*

5. ICTTA658: "**AUT-Talk: A Farsi Talking Head**", R. Safabakhsh, and F. Mirzazadeh, Computer Engineering Department, Amirkabir University of Technology, Tehran, *IRAN*

6. ICTTA474: "**Adaptive tracking of speaker's direction using two microphones**", M. Hassanpour, and M. H. Kahaei, Department of Electrical Engineering, Iran University of Science and Technology (IUST), Tehran, *IRAN*

SEN08: **Agent & Multiagents Systems in ICT – Organization & Behavior**   (Tuesday, April 25, 11:15 – 13:00)
Co-Chairs: **Pr. Jean Paul Haton**   **Pr. Mohamed Ben Ahmed**
                   LORIA, Nancy, FRANCE   **Manouba University, ENSI, TUNISIA**

1. ICTTA069: "**Interacting with reasoning in a MAS integrating a RBS**", Kerada Ramdane Ouidad, Computer Science Department, LAMEL Laboratory, University of Jijel, *ALGERIA*

2. ICTTA393: "**Arbitration of autonomous multimedia objects with a multi-agent system**", Benjamin Gâteau, and Djamel Khadraoui, CITI Dpt., CRP Henri Tudor, *Great Duchy of LUXEMBOURG*

3. ICTTA419: "**Planning Coalition Formation with Uncertain Resources Consumption**", Hosam Hanna, and Khaldoun Zreik, GREYC, Caen University, Caen, *FRANCE*

4. ICTTA583: "**Fault Tolerance in Mobile Agent Systems by Cooperating the Witness Agents**", Sareh Beheshti, and Ali Movaghar, Sharif University, Tehran, *IRAN*

5. ICTTA618: "**Anonymous Mobile Agents**", Souad Benmeziane, and Baghdad Larab, Center of Research in Scientific and Technical Information, Algiers, *ALGERIA*

6. ICTTA455: "**A Formal Model for Coordination Behavior of the Organization in Multi Agent Systems**", Fatemeh Ghassemi, Naser Nematbakhsh, Behrouz Trok Ladani, and Marjan Sirjani, Faculty of engineering, Isfahan University, Isfahan, *IRAN*

7. ICTTA795: "**An Adaptive Multi-Agent System: Genetic Approach**", Imane Boussebough, and Zaïdi Sahnoun, University Mentouri of Constantine, *ALGERIA*

SEN09: **Agent & Multiagents Systems in ICT – Systems & Applications**   (Tuesday, April 25, 14:30 – 16:15)
Co-Chairs: **Pr. Mohamed Ben Ahmed**   **Pr. Jean Paul Haton**
                   Manouba University, ENSI, TUNISIA   **LORIA, Nancy, FRANCE**

1. ICTTA111: "**DIDFAST.BN: Distributed Intrusion Detection and Forecasting Multiagent System using Bayesian Network**", Farah Jemili, Montaceur Zaghdoud, and Mohamed Ben Ahmed, RIADI/GDL, Manouba University, ENSI, Manouba, *TUNISIA*

2. ICTTA186: "**Multi-Agent Modeling of Biological Data Based on Virtual Reality**", Inès Hamdi, Gabriel Querrec, Imed Riadh Farah, and Mohamed Ben Ahmed, RIADI/GDL, Manouba University, ENSI, Manouba, *TUNISIA*

3. ICTTA889: "**An Overview of Analysis and Design of SIGMA: Supervisory IntelliGent Multi-agent system Architecture**", Fabiano Tiba, and Miriam A. M. Capretz, University of Western Ontario, London, Ontario, *CANADA*

4. ICTTA309: "**Protecting Mobile Agents by patching the execution platforms**", Hamed Aouadi, and Mohamed Ben Ahmed, RIADI laboratory, ENSI, University of Manouba, Campus universitaire La manouba, *TUNISIA*

5. ICTTA321: "**Towards an intelligent approach based on multi-agent system and cellular automata for modeling land use change**", K. Saheb Ettabaâ, I. R. Farah, and Mohamed Ben Ahmed, ENSI, University of Manouba, *TUNISIA*

6. ICTTA853: "**Distributed Blackboard Architecture for Multi-Spectral Image Interpretation Based on Multi-Agent System**", K. Saheb Ettabaâ, I. R. Farah, B. Solaiman, and M. B. Ahmed, ENSI, Campus Universitaire de Manouba, *TUNISIA*

7. ICTTA274: "**A Model and Analysis for Ants-like Agents**", Mohamed Hamada, Language Processing Lab, The University of Aizu, Aizuwakamatsu, Fukushima, *JAPAN*

SEN10: **Networking – Control managment**   **(Thursday, April 27, 08:30 – 10:15)**

   Co-Chairs: **Dr. Muneer Zuhdi**   **Pr. Mohsen Sharifi**

                 Tellabs, Dallas, Texas, USA   **Iran Univ. of Science and Technology, IRAN**

   1. ICTTA753: "**Next Generation Triple Play Access Network – Feasibility and Challenges**", Muneer Zuhdi, Tellabs, Dallas, Texas, *USA*

   2. ICTTA648: "**Controller Area Networks: Evolution and Applications**", H. F. Othman, Y. R. Aji, F. T. Fakhreddin, and A. R. Al-Ali, Computer Engineering Department, American University of Sharjah, *UAE*

   3. ICTTA591: "**Differentiated control of TCP flows based on their sizes**", Rana Khanafer, GET/ENST Paris, Paris, *FRANCE*

   4. ICTTA798: "**P2P Overlay Network for Service Deployment in Active Networks**", André Ribeiro Cardoso, Ahmed Serhrouchni, Mikäel Salaün, and Joaquim Celestino Jr, Télécom-Paris, LTCI-UMR 5141 CNRS, Paris, *FRANCE*

   5. ICTTA640: "**Fair Scheduling for Input-Queued Switches**", Changiz Roidel, Nasser Razavi, Morteza Analoui, Iran University of Science and Technology, *IRAN*

SEN11: **Networking – Routing & traffic management**   **(Tuesday, April 25, 08:30 – 10:15)**

   C-Chairs: **Pr. Mohsen Sharifi**   **Dr. Bassel Khechi**

                Iran Univ. of Science and Technology, IRAN **Univ. Damascus, SCS, Damascus, SYRIA**

   1. ICTTA083: "**Client-based SBM Layer for Predictive Management of Traffic Flows in Heterogeneous Networks**", Fatema Shaikh, Aboubaker Lasebae, and Glenford Mapp, School of Computing Science, Middlesex University, London, *UK*

   2. ICTTA284: "**Predicting weights of fair Queuing schemes**", Ali Reza Shams Shafigh, Forough Noroozi, and Morteza Analoui, Iran University of Science and Technology, *IRAN*

   3. ICTTA391: "**Routing-Loading Balance Heuristic Algorithms for a Capacitated Vehicle Routing Problem**", Michael Tsouros, Magda Pitsiava, and Karin Grammenidou, Faculty of Engineering, Aristotle University of Thessaloniki, *GREECE*

   4. ICTTA213: "**Internet Traffic Modeling with time delay systems and Bandwidth provisioning**", J. Almhana, Z. Lieu, V. Choulakian, and R. Mc Gorman, University o f Moncton, Moncton, New Brunswick, *CANADA*

   5. ICTTA453: "**Broadcasting Algorithm on Large Chordal Ring of Degree Six Networks**", Atheer Abbas, Faculty of Engineering and Computer Science, University of Nottingham, *MALAYSIA*

SEN12: **Networking – Dedicated techniques & evolution**   **(Tuesday, April 25, 14:30 – 16:15)**

   Co-Chairs: **Pr. Mohsen Sharifi**   **Dr. Bassel Khechi**

                Iran Univ. of Science and Technology, IRAN **University of Damascus, SCS, SYRIA**

   1. ICTTA560: "**DEEP - A Generic Name Resolution Protocol for Heterogeneous Networks**", Petteri Pöyhönen, Nadeem Akhtar, Rui Campos, Cornelia Kappler, Pekka Pääkkönen, and Di Zhou, Nokia Research Center, Nokia, Helsinki, *FINLAND*

   2. ICTTA458: "**An enhanced tuple routing strategy for adaptive processing of continuous queries**", M.G. Farahani, M. Sharifnejad, and Mohsen Sharifi Iran University of Science and Technology, *IRAN*

   3. ICTTA757: "**Multiple-valued Interconnection Network**", Keivan Navi, Omid Kavehie, Maryam Helmi, and Reza Moraveji, Shahid Beheshti University, Department of Electrical & Computer, Velenjak, Tehran, *IRAN*

   4. ICTTA867: "**Implementation of IPv4 Over IPv6 Using Dual Stack Transition Mechanism (DSTM) on 6iNet**", Hatim Mohamad Tahir, Azman Taa, and Norshakinah Bt Md.Nasir, Universiti Utara Malaysi, *MALAYSIA*

   5. ICTTA268: "**Research and Prototype Implementation of TCP/IP Offload Engine Based on the ML403 Xilinx Development Board**", Liu Tian-Hua, Zhu Hong-Feng Tan Zhen-Hua1 Zhou Chuan-Sheng, and Chang Gui-Ran, Northeastern University, Shenyang, *CHINA*

   6. ICTTA378: "**Internet Traffic Modeling**", Hassan Hassan, Jean-Marie Garcia, and Olivier Brun, RST group, LAAS-CNRS, Toulouse, *FRANCE*

SEN13: **Networking – Security**   **(Tuesday, April 25, 16:45 – 18:30)**

   Co-Chairs: **Dr. Marwan Zabibi**   **Dr. Mohammad A. Al-Akhras**

                INANA Group, SCS, Damascus, SYRIA   **Dubai University College, Dubai, UAE**

1. ICTTA082: "**A SOM and Bayesian Network Architecture for Alert Filtering in Network Intrusion Detection Systems**", Ahmad Faour, Philippe Leray, and Bassam Eter, Laboratoire PSI (Perception, Systemes, Information), INSA, Rouen, *FRANCE*

2. ICTTA248: "**Multi-Violation Detectors: An algebraic tool for Alert Correlation and Intrusion Detection**", Amel Meddeb-Makhlouf, and Noureddine Boudriga, SUPCOM, Unité de recherche MEDIATRON, Cité El Ghazala, *TUNISIA*

3. CTTA758: "**SIP Security Attacks and Solutions: A state-of-the-art review**", Samer El Sawda, and Pascal Urien, Université Paris VI, Paris, *FRANCE*

4. ICTTA934: "**Wireless Network Security Implementation in Universities**", Mohammad A. Al-Akhras, Dubai University College, Dubai, *UAE*

5. ICTTA902: "**Fault-Tolerance of Capillary Multi-Path Routing for Real-Time Multimedia Streaming with Forward Error Correction**", Emin Gabrielyan, and Roger D. Hersch, École Polytechnique Fédérale de Lausanne, *SWITZERLAND*

SEN14: **QoS - Management**   **(Thursday, April 27, 08:30 – 10:15)**
Co-Chairs: **Pr. Mounir Frikha**   **Dr. Yusuf A. Gargaz**
     SUP'COM, TUNISIA   **Al-Balqa Applied University, JORDAN**

1. ICTTA133: "**Better routing for better quality of Services**", Yusuf A. Gargaz, and Mohammed Y. Al-Gawagzeh, Information Technology, Al-Balqa Applied University, Al-Salt, *JORDAN*

2. ICTTA114: "**QoS Management: differentiating services and practical views**", Saioa Arrizabalaga, and Antonio Salterain, Dpt. of Automatic and Control Engineering, CEIT and Tecnun (University of Navarra), San Sebastián, *SPAIN*

3. ICTTA120: "**Code generation from the description of QoS-aware applications**", Firas Alhalabi, Patrice Vienne, Mathieu Maranzana and Jean-Louis Sourrouille, Laboratoire PRISMa, INSA Lyon, Villeurbanne, *FRANCE*

4. ICTTA940: "**QoS evaluation of different TCP congestion control algorithm using SN2**", Md Tarmizi Hj Mustaffa, Abdulgani Albagul, Othman O. Khalifa, and M. Wahyudi, Faculty of Engineering, International Islamic University Malaysia, Jalan Gombak, *MALAYSIA*

5. ICTTA850: "**Quality of service improvement in 802.11e: Conditioned Enhanced Distributed Coordination Function (CEDCF)**", Mounir Frikha, and Fatma Ghandour, Ecole Superieure des Communications Tunis, *TUNISIA*

SEN15: **QoS – Case applications & new approaches**   **(Thursday, April 27, 11:15 – 13:00)**
Co-Chairs: **Dr. Mo Adda**   **Dr. Rakan Razouk**
     University of Portsmouth, UK   **University of Damascus, SYRIA**

1. ICTTA812: "**Quality of Service in Wireless ATM for High Demand Multimedia Applications**", Mo Adda, Amanda Peart, and Nick Watkins, School of Computing, University of Portsmouth, Lion Terrace, Portsmouth, *UK*

2. ICTTA730: "**QoS Aware Bluetooth Middleware**", Ural Mutlu, Reuben Edwards, and Paul Coulton Department of Communication Systems, InfoLab, Lancaster University, Lancaster, *UK*

3. ICTTA166: "**Service Advertisements for Fourth Generation Mobile Networks**", A. Lasebae, and S. Banasl, Middlesex University, London, *UK*

4. ICTTA377: "**Session based Quality of Service in SIP networks**", Hassan Hassan, Jean-Marie Garcia, and Olivier Brun, RST group, LAAS-CNRS, Toulouse, *FRANCE*

5. ICTTA736: "**On QoS Support Evaluation in IEEE 802.11 Wireless LAN's**", Adel Bedoui, Kamel Barkaoui, and Karim Djouani, Laboratoire SYSCOM Ecole Nationale d'Ingénieurs de Tunis, *TUNISIA*

6. ICTTA697: "**A New Approach of Admission Control for TCP Flows**", Rana Khanafer, INFRES Dpt., GET/ENST Paris, Paris, *FRANCE*

SEN16: **Information security & Data Protection**   **(Thursday, April 27, 14:30 – 18:00)**
Co-Chairs: **Dr. Marwan Zabibi**   **Pr. Gilbert Martineau**
     INANA Group, SCS, Damascus, SYRIA   **GET / ENST Bretagne, Rennes, FRANCE**

1. ICTTA173: "**Relational Structuring of Security Countermeasure Repositories**", Mohamed Hamdi, and Noureddine Boudriga, CN&S Research Lab., University of 7th of November of Carthage, *TUNISIA*

2. ICTTA177: "**Maximal Consistent Security Policies**", Salem Benferhat, and Rania El Baida, CRIL-CNRS, Université d'Artois, Lens, *FRANCE*

3. ICTTA291: "**Opacity: A Theoretical Technique for Digital Investigation**", Slim Rekhis, and Noureddine Boudriga, Communication Networks and Security Research Lab., University of the 7th of November at Carthage, *TUNISIA*

4. ICTTA430: "**Common Criteria Security Evaluation: A Time and Cost Effective Approach**", Mohammadreza Razzazi, Mojtaba Jafari, Sajjad Moradi, Hossein Sharifipanah, Morteza Damanafshan, Kaveh Fayazbakhsh, and Ahmad Nickabadi, Computer Engineering & IT Dept., Amirkabir University, Tehran, *IRAN*

5. ICTTA811: "**Extended Provision-based Access Control Model**", Toktam Ramezani, and Mohammad Reza Razzazi, CE Dpt., Amirkabir University of Technology, Tehran, *IRAN*

6. ICTTA587: "**An Efficient Multisignature Scheme"**, Sattar J Aboud, Amman Arab University for Graduate Studies, Amman, *JORDAN*

7. ICTTA782: "**A New Identity-based Proxy Signature Scheme from Bilinear Pairings**", Hamid Mala, Mohammad Dakhil-alian, and Mehdi Brenjkoub, Isfahan University of Technology (IUT), Isfahan, *IRAN*

SEN17: **Web Engineering & Application**   **(Thursday, April 27, 14:30 – 18:00)**
Co-Chairs: **Pr. Franck Guitalla**   **Dr. Ammar Kheirbek**
                 UTC, Compègne, FRANCE   **University of Damascus, SYRIA**

1. ICTTA138: "**LibreSource: Web Based platform for Supporting Collaborative Activities**", Hala Skaf-Molli, Olivera Marjanovic, Pascal Molli, and Claude Godart, LORIA-INRIA, Villers-lès-Nancy, *FRANCE*

2. ICTTA303: "**Modeling Multi-Agent Society Structure for the Web E-Commerce Application**", Hani Abu Shaer, Ramia Ali, Ammar Kheirbek, and Maya Wardeh, Damascus University, Faculty of information Technology, Damascus, *SYRIA*

3. ICTTA304: "**Modeling Agents' Negotiation in the Semantic Web Environment E-Commerce Application**", Hani Abu Shaer, Ramia Ali, Ammar Kheirbek, and Maya Wardeh, Damascus University, Faculty of information Technology, Damascus, *SYRIA*

4. ICTTA858: "**An intelligent agent-based medication and emergency system**", Shihab A. Hameed, and Shahina Shabnam, International Islamic University of Malaysia, Kuala Lumpur, *MALAYSIA*

5. ICTTA171: "**Internet knowledge and access skills among primary school administration in Malaysia**", Mohd Nazir Md. Zabit, and Tirzah Zubeidah Zachariah, Faculty of Business & Economics, University Pendidikan Sultan Idris, Perak, *MALAYSIA*

6. ICTTA722: "**An Intelligent Data Filtration Tool to Eliminate Harmful Data Factors that Affect Internet's Users in Education**", Shihab A. Hameed, Faculty of Engineering, IIUM University, *MALAYSIA*

SEN18: **Parallel computing**   **(Wednesday, April 26, 14:30 – 16:15)**
Co-Chairs: **Dr. Sudip Misra**   **Dr. Manos Roumeliotis**
                 Carlton University, CANADA   **University of Macedonia, Thessaloniki, GREECE**

1. ICTTA652: "**Pipelined Block-Cyclic Redistributions in Complete 2D Tori**", Stavros Souravlas, and Manos Roumeliotis, University of Macedonia, Applied Informatics Department, Thessaloniki, *GREECE*

2. ICTTA729: "**Self-Adaptation of Parallel Applications in Heterogeneous and Dynamic Architectures**", Samir Jafar, Laurent Pigeon, Thierry Gautier, and Jean-Louis Roch, ID-IMAG (UMR 5132), Monbonnot, *FRANCE*

3. ICTTA732: "**CCK: An Improved Coordinated Checkpoint/Rollback Protocol for Dataflow Applications in KAAPI**", Xavier Besseron, Samir Jafar, Thierry Gautier, and Jean-Louis Roch, ID-IMAG (UMR 5132), Monbonnot, *FRANCE*

4. ICTTA809: "**Component-Oriented Programming over GRID with CCADAJ**", Iyad Alshabani, Richard Olejnik, and Bernard Toursel, Laboratoire d'Informatique Fondamentale de Lille (LIFL), *FRANCE*

5. ICTTA826: "**Deployment and Performance Evaluation of a SNAP-based Resource Broker on the White Rose Grid**", Mohammed H Haji, Karim Djemame, andPeter Dew, School of Computing, University of Leeds, *UK*

SEN19: **Distributed systems**   **(Wednesday, April 26, 16:45 – 18:30)**
Co-Chairs: **Dr. Ghassan Fallouh**   **Dr. Manos Roumeliotis**
                 SCS, Damascus, SYRIA   **University of Macedonia, Thessaloniki, GREECE**

1. ICTTA147: "**Establishing Private Communications in Open Systems using Multicapabilities**", Nur Izura Udzir, and Alan Wood, Department of Computer Science, University of York, Heslington, York, *UK*

2. *ICTTA161*: "**Monitoring and Managing the Distributed Networks using Mobile Agents**", Loubna Ali, Herve Mathieu, and Frederique Biennier, PRISMa, INSA-Lyon, Villeurbanne, *FRANCE*

3. *ICTTA347*: "**A New Solution for Generalized Distributed Search in Grid Environment**", Mohammd Reza Razzazi, Taha Ghasemi, Omid mola, and Hussein Ghasemalizadeh, Amirkabir university of technology, Tehran, *IRAN*

4. ICTTA839: "**Two architectures for testing distributed real-time systems**", Shoukat Hayat Siddiquee, and Abdeslam En-Nouaary, Department of electrical and computer engineering, Concordia University, Montreal, *CANADA*

5. ICTTA879: "**Performance Evaluation of Network-Parallel Data Storage**", Qutaibah Malluhi, Zhi Lin, and Mohamed Malouhi, College of Engineering, Qatar University, Doha, *QATAR*

6. ICTTA354: "**Data consistency method based on total ordering multicast for distributed cooperative systems**", Yi Qian, and Alan Dix, Computing Department, Lancaster University, Lancaster, *UK*

SEN20: **Knowledge Based Systems**   **(Monday, April 24, 14:30 – 16:15)**

      Co-Chairs: **Pr. Khaldoun Zreik**   **Dr. Ammar Kheirbek**

                        University of Caen, FRANCE   **University of Damascus, SYRIA**

1. *ICTTA236*: "**Using Information for Classification of Knowledge Works**", Nahid Hashemian Bojnord, and Abbas Afrazeh, Amirkabir University of Technology, *IRAN*

2. *ICTTA270*: "**Development of an expert system for the electronics manufacturing sector**", Dino Isa, Michael Hartley, VP Kallimani, Aini Hussain, and Salina Abdul Samad, University of Nottingham, Selangor Darul Ehsan, *MALAYSIA*

3. ICTTA718: "**Modeling Data to Management Dynamic Services Deployment in Autonomic Networks**", Gladys Diaz, Nadjib Achir, and Ken Chen, Institut Galilée – Université Paris 13, Villetaneuse, *FRANCE*

4. ICTTA187: "**KB Refinement: a new Interactive Method**", Rédouane Djelouah, Béatrice Duval, and Stéphane Loiseau, ISAIP-ESAIP, St Barthélémy, *FRANCE*

5. ICTTA800: "**A Framework For Information Systems' Ontologies Building**", Mohamed Mhiri, Sana Chabaane, and Faïez Gargouri, MIRACL Laboratory, ISIMS Sfax, Faculté des Sciences Economiques et de Gestion Sfax, *TUNISIA*

6. ICTTA816: "**The QAT: a Qualitative Algebra Toolkit**", Jean-François Condotta, Gérard Ligozat, and Mahmoud Saade, CRIL-CNRS, Université d'Artois, Lens, *FRANCE*

SEN21: **Decision Support Systems**   **(Monday, April 24, 12:00 – 13:15)**

      Chair: **Pr. Khaldoun Zreik**

            University of Caen, Caen, FRANCE

1. ICTTA371: "**Modelling Context in SafeLink: Online Crisis Management System**", Khaldoun Zreik, and Samuel Parfouru, University of Caen, Caen, *FRANCE*

2. ICTTA172: "**Using Case Based Reasoning to Support Systematic Evaluation and Decision Making In Engineering Design**", M A Salka, Scientific Studies and Research Center, Damascus, *SYRIA*

3. ICTTA311: "**Reconstruction of the Relevant Information Tree for an Object**", Takanori Terashima, Hironori Hakozaki, Yusuke Yanbe, and Roberto Okada, School of Project Design, Miyagi University, *JAPAN*

4. ICTTA028: "**A Java-based Implementation of Knowledge and Decision Making in Environments with Fuzzy Variables**", Talal Al-Shihabi, Faculty of Civil Engineering, Damascus University, Damascus, *SYRIA*

SEN22: **Computer Science Issues**   **(Wednesday, April 26, 11:15 – 13:00)**

      Co-Chairs: **Dr. Muhsen Hussein**   **Dr. Ghassan Fallouh**

                        University Al Bath, Homs, SYRIA   **SCS, Damascus, SYRIA**

1. ICTTA241: "**Asynchronous Sources of Information**", Samy Abbes, LIAFA, Université Denis Diderot (Paris 7), Paris, *France*

2. ICTTA865: "**A Logical Framework to prove Inheritance Properties for Concurrent Objects**", Rami EL-BAIDA, Faculté des Sciences Economiques et de Gestion, Liban Nord, Tripoli, *LEBANON*

3. ICTTA339: "**Scheduling Tasks with Execution and Precedence Constraints Using Longest Compatible Paths**", Stefanos Katsavounis, Information Technology Department, Technological Educational Institute of Thessaloniki, Thessaloniki, *GREECE*

4. ICTTA253: "**Precedence Grammar and Its Transformation**", Wang Shengjun, Jin Longfei, and Jin Chengzhi, College of Computer Science & Technology, Jilin University, Chang-Chun, Jilin Province, **P.R. CHINA**

5. ICTTA668: "**MMUF: An optimized scheduling algorithm for dynamically reconfigurable Real-Time systems**", Saman T. Zargar, Vahid Salmani, and Mahmoud Naghibzadeh, Ferdowsi University of Mashhad, Mashhad, Razavi Khorasan, *IRAN*

6. ICTTA249: "**About Look-Ahead Algorithms in Constraint Satisfaction Problems**", Assef Chmeiss, and Lakhdar Saïs, CRIL-CNRS, University of Artois, Lens, *FRANCE*

SEN23: **Immersive visualisation & interaction:** (Thursday, April 27, 14:30 – 16:30)

Usability, design & applications (*Special Session*)

Co-Chairs: **Dr. Rachid Gherbi** **Dr Ahmed Seffah**

GENOPOLE Evry, FRANCE **Concordia University in Montreal, CANADA**

1. ICTTA944: "**Distributed software architecture for collaborative teleoperation based on networked mixed reality platforms**", S. Otmane, V. Leligeour, P. Richard, and M. Mallem, LISA - University of Angers, IBISC-CNRS, *FRANCE*

2. ICTTA945: "**Visual Mining for Microarray Knowledge Discovery**", Nicolas Férey, and Rachid Gherbi, LIMSI-CNRS, Université Paris-Sud, Orsay, *FRANCE*

3. ICTTA946: "**Immersive Visualization for Genome Exploration and Analysis**", Oriane Matte-Tailliez, Claire Toffano-Nioche, Nicolas Férey, François Képès, and Rachid Gherbi, LIMSI-CNRS, Université Paris-Sud, Orsay, *FRANCE*

4. ICTTA947: "**On Usability Testing of an HMD-based Immersive System**", Jonathan Benn, Ahmed Seffah, Human-Centered Software Engineering Group, Concordia University, Montreal, *CANADA*

SEN24: **Software Engineering Issues (*Poster Session*)** (Tuesday, April 25, 14:30 – 16:15)

Co-Chairs: **Dr. Sudip Misra** **Dr. Luiz Capretz**

Carlton University, CANADA **University of Western Ontario, CANADA**

1. ICTTA047: "**A Multicultural Comparison of Engineering Students**", Zaki S. Seddigi, and Luiz Fernando Capretz, King Fahd University of Petroleum and Minerals, Dhahran, *KINGDOM OF SAUDI ARABIA*

2. ICTTA058: "**Research on Directed-Graph's Storage Structure Based on Object Petrinet Model- Defining in Workflow**", Yuan Jian, Sui Shulin, and Zhang Wenxia, Qingdao University of Science and Technology, Qingdao, Shandong, *CHINA*

3. ICTTA150: "**Combination of a Transparent Firewall and a DoS Attack Detection System**", Golnaz Vakili, Gholam H. Riahy, and Amir H. Rezaie, Electrical Engineering Department, Amirkabir University of Technology, Tehran, *IRAN*

4. ICTTA185: "**Designing a sharing model of learning annotations based on a Top Level Ontology**", Nadia Aloui, Mohamed Ben Ahmed, and Esma Aimeur, National school of Computer Sciences, Manouba University, Manouba, *TUNISIA*

5. ICTTA189: "**Rules Termination Analysis Based on Petri Nets: Implementation Issues**", Latifa Baba-Hamed, Computer Science Dept., University of Oran ES-SENIA, Oran, *ALGERIA*

6. ICTTA250: "**An Approach of Mediation**", Fatima Boulçane, Lire Laboratory, Computer Science Department, Mentouri University of Constantine, *ALGERIA*

7. ICTTA254: "**A proposed Multi-Agent System for Intrusion Detection System in a Complex Network**", Alaa H Al-Hamami, and Soukaena Hassan Hashem, Faculty of Information Technology, Al-Ahliyya Amman University, Amman, *JORDAN*

8. ICTTA305: "**Mediation Systems: A Survey**", Ahmed Zellou, Dalila Chiadmi, and Agnes Front, Computer Sciences Department, Mohammadia Engineering School, Rabat, *MOROCCO*

9. ICTTA376: "**Deriving Conceptual Data Models from Domain Ontologies for Bioinformatics**", Haya El-Ghalayini, Mhd. Odeh, Richard McClatchey, and Dawn Arnold, Centre for Complex Cooperative Systems, Faculty of CEMS, *UK*

10. ICTTA461: "**Two-Level Automatic Classification applied to Bulky Data Bases**", Dorsaf Cherif, and Mohamed Ben Ahmed, RIADI Laboratory, Ecole Nationale des Sciences de l'Informatique (ENSI), University of La Manouba, *TUNISIA*

11. ICTTA511: "**Elicitation of crosscutting aspects at the early phases of software development**", Abdelkrim Amirat, Djamel Meslati, and M.Tayeb Laskri, Centre Universitaire de Souk Ahras, *ALGERIA*

12. ICTTA535: **"Web Database Connectivity Methods (Using Mysql) in Windows Platform**", Ali Bazghandi, College of Technical& Engineering, Shahrood University, Shahrood, *IRAN*

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