

The 3rd International Conference on Information Systems and Technologies

Tangier, Morocco – March 22 – 24, 2013



International Conference on Information Systems and Technologies "ICIST'2013" (Tangier, Morocco) is a forum for researchers, developers and industrials in the information systems field. And it has a continuance of the following event: ICIST'11 (Tebessa, Algeria) and ICIST'12 (Sousse, Tunisia). It reports progress and development of methodologies, technologies, planning and implementation, tools and standards in information systems. The conference looks also at socio-economic aspects, impacts and success factors of information systems. ICIST'2013 aims at addressing issues related to the design, development and use of information systems in organizations from a multidisciplinary perspective, and to discuss, the research, teaching and professional practice in the field. ICIST 2013 brings together leading academics and professionals in information systems from around the world. It aims at providing a platform for discussions on issues that take into consideration the social and technological aspects of information systems. The conference program includes paper presentation, keynote talks from prominent academics, Posters and Panels.



OPENING HOURS

THURSDAY, MARCH 21 TH 2013	14H00 / 18H00
FRIDAY, MARCH 22 TH 2013	08H00 / 17H30
SATURDAY, MARCH 23 TH 2013	08H30 / 21H30
SUNDAY, MARCH 24 TH 2013	7 H30



SESSIONS TOPICS

- A DYNAMIC SERVICE COMPOSITION, SEMANTICS, METHODS & TOOLS
- B METHOD & MODEL-BASED SOFTWARE ENGINEERING
- C IS TESTING, MAINTENANCE & PRACTICE
- D ENTERPRISE ARCHITECTURE, SOA & E-COMMERCE
- E SECURITY TECHNOLOGY & NETWORK SYSTEMS
- F AGENT & IS ENGINEERING
- G IS & NEW TECHNOLOGIES
- H E-LEARNING & TRAINING



PROGRAM



THURSDAY,
MARCH 21TH
2013

'GAUDI' AUDITORIUM (LEVEL 1)		
14H00 TO 18H00	WELCOME DESK & REGISTRATION	14H00 TO 18H00
END OF DAY		

FRIDAY, MARCH 22TH 2013

	'GAUDI' AUDITORIUM (LEVEL 1)	'DALI' (LEVEL 1)	'AL ANDALUS' (LEVEL 0)	
08H00	WELCOME DESK & REGISTRATION			08H00
09H00	OPENING CONFERENCE 1. UAE PRESIDENT: PR. AMEZIANE HOUDAIFA 2. DEAN OF FST TANGIER: PR. ADDOU MOHAMMED 3. DEAN OF FP LARACHE : PR. EL MOUMNI BOUCHETA 4. ENSIAS DIRECTOR : PR. ESSAAIDI MOHAMMED 5. MAYOR OF TANGIER : MR. EL OMARI FOUAD 6. CONFERENCE CO-CHAIR: PR. LAAROUAR RIDDA 7. CONFERENCE CHAIR : PR. EZZIYANI MOSTAFA			09H00
09H30	KEYNOTE Ladjel BELLATRECHE ISAE-ENSMA, Poitiers, France <i>"Contributions of User Requirements and Ontologies for Designing and Optimizing Data Warehouses"</i>			09H30
10H00	COFFEE BREAK ☕			10H00
10H30	KEYNOTE Richard HACKEN Brigham Young University , USA <i>"Retrospective Social History of Technology in Libraries"</i>			10H30
11H00	PARALLEL SESSIONS B1 (p.3) CHAIRMEN: DIANI MUSTAPHA & AGHRIB ABDELAM	PARALLEL SESSIONS B2 CHAIRMEN: AKOURI & BEN ABDELLAH (p.3)	PARALLEL SESSIONS E1 CHAIRMEN: ESSAAIDI & HARROUD (p.6)	11H00
12H30	LUNCH 🍴			12H30
14H00	PARALLEL SESSIONS B3 (p.4) CHAIRMEN: AKOURI MOHAMMED & DRISS BENHADDOU	PARALLEL SESSIONS D F1 CHAIRMEN: EZZIYANI & BELETRECHE (p.5&7)	PARALLEL SESSIONS F2 CHAIRMEN: LAOUAR RIDDA & EL Brak Mohammed (p.7)	14H00
16H00	TRAINING WORKSHOP Mathew MILES Brigham Young University, USA <i>"CES Web Design Process"</i>			16H00
END OF DAY				



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SATURDAY, MARCH 23TH 2013

	'GAUDI' AUDITORIUM (LEVEL 1)	'MATISSE' (LEVEL 1)	'DALI' (LEVEL 1)	
08H30	KEYNOTE Driss BENHADDOU University of Houston, USA <i>"Wireless Sensor Networks for Distributed Solar Energy in Smart Grid as a Cyber-Physical System"</i>			08H30
09H00	KEYNOTE Mathew MILES Brigham Young University, USA <i>"The Integration of Content Management Systems, Course Management Systems & Library Resources"</i>			09H00
09H30	COFFEE BREAK ☕			09H30
10H00	PARALLEL SESSIONS CHAIRMEN: EN-NAIMI EL MOKHTAR / RICHARD HACKEN (p.5) C1	PARALLEL SESSIONS C2 CHAIRMEN: AMAMI / MILES (p.5)	PARALLEL SESSIONS H G CHAIRMEN: JBILOU & BOULMALEF (p.7)	10H00
12H30	LUNCH 🍴			12H30
14H00	PARALLEL SESSIONS A (p.3) CHAIRMEN: EZZIYANI MOSTAFA & LAOUAR RIDDA	PARALLEL SESSIONS B4 CHAIRMEN: AGHRIB & DIANI (p.4)	PARALLEL SESSIONS E2 ESSAAIDI & BOULMALEF (p.6)	14H00
18H00	GENERAL DEBATE & CONFERENCE CLOSING CEREMONY			18H00
20H00	CONFERENCE DINER (AT THE RESTAURANT) 🍴			20H00
	END OF DAY			

SUNDAY, MARCH 24TH 2013

07H30	OPEN EXCURSION IN TANGIER	07H30
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TOPIC A: DYNAMIC SERVICE COMPOSITION, SEMANTICS, METHODS & TOOLS ||| SATURDAY, MARCH 23TH 2013 (14H00 TO 18H00) **A**
CHAIRMAN: EZZIYANI MOSTAFA & LAOUAR RIDDA ||| AUDITORIUM: GAUDI (LEVEL 1)

14H00	Madiha Liaquat	Image Classification And Retrieval Based On Crisp And Fuzzy Ontology	14H00
14H20	Abdeslem Den Nai	Semantic Indexing For Information Recovery From Unstructured Or Semi Structured Web Documents By Using Domain Ontology	14H20
14H40	Khaled Benali And Sidi Ahmed Rahal	Ontology Of Association Rules (Ontoar)	14H40
15H00	Hatim Guermah, Tarik Fissaa, Mahmoud Nassar And Abdelaziz Kriouile	Towards An Ontology Based Context Modeling For Service Oriented Systems	15H00
15H20	Hazmoune Samira, Bougamouza F., Mazouzi S.	Arabic Speech Recognition Based On Multiple HMM Modeling And Genetic Selection	15H20
15H40	Amina Bekkouche, Sidi Mohamed Benslimane	A Genetic Algorithm Approach To QoS-Based Semantic Web Service Composition	15H40
16H00	Abdeslem Dennai	Semantic Indexing For Information Recovery From Unstructured Or Semi Structured Web Documents By Using Domain Ontology	16H00
16H20	Leila Zemmouchi-Ghomari And Abdessamed Réda Ghomari	Position Paper: A New Approach For Human Assessment Of Ontologies	16H20
16H40	Salheddine Kabou And Khelifa Benahmed	An Improved Ontology For Attacks In Wireless Sensor Networks	16H40
17H00	Samah Benmerbi, Kamel Amroun And Abdelkamel Tari	Web Services Selection And Composition Based On QoS Using Hypergraph Decomposition And Genetic Algorithm	17H00
17H20	Loubna Cherrat, Mostafa Ezziyani, Omar Kassara, I. Sefrioui, Mohamed Essaaidi And M. El Mabrouk	Optimization Query Process Of Mediators Interrogation Based On Combinatorial Storage	17H20
17H40	Soumaya El Mamoune, Mostafa Ezziyani	Adaptive Learning In The Simulation Of Emergency	17H40

TOPIC B1: METHOD & MODEL-BASED SOFTWARE ENGINEERING ||| FRIDAY, MARCH 22TH 2013 (11H00 TO 12H20) **B1**
CHAIRMAN: DIANI MUSTAPHA & AGHRIB ABDELAM ||| AUDITORIUM: GAUDI (LEVEL 1)

11H00	Ahmed Saeed, Prof. Hassan Mathkour And Ali El Zaart	Fuzzy Similarity Thresholding Using Log Normal Distribution	11H00
11H20	Benhamed Siham, Hocine Soraya And Benhamamouch	Conception of a Version Control System Approach Based by ECA Active Rules	11H20
11H40	Salim Chehida And Mustapha Kamel Rahmouni	An UML-based Approach for the Security of Information Systems	11H40
12H00	Hamid Aksasse, Omar A. Zemzami, M. Ouanan And Brahim Aksasse	Indexation d'objet 2D/3D : utilisation de signatures construites à partir de la BEMD et de l'ART	12H00

TOPIC B2: METHOD & MODEL-BASED SOFTWARE ENGINEERING ||| FRIDAY, MARCH 22TH 2013 (11H00 TO 12H20) **B2**
CHAIRMAN: AKOURI MOHAMMED & BEN ABDELAH ABDELATIF ||| AUDITORIUM: DALI (LEVEL 1)

11H00	Youssef Nahaoui, Elhoucein Aassif, Abdelkader Elhanaoui And Gérard Maze	A neuro-fuzzy computing technique for modeling the acoustic form function of immersed tubes	11H00
11H20	Abdeljalil Gattal And Youcef Chibani	Combination of features generation methods to improve recognition of isolated handwritten digits	11H20
11H40	Dalila Arab, Soltane Ameer And Zohra Ameer	Unsupervised segmentation Algorithm based on fusion of multiresolution features	11H40
12H00	Slimane Hameg, Fethi Ouallouche, Zohra Ameer, Mourad Lazri And Jean-Michel Brucker	Identification of raining could by using multispectral parameters of Meteosat	12H00

TOPIC B3: METHOD & MODEL-BASED SOFTWARE ENGINEERING ||| FRIDAY, MARCH 22TH 2013 (14H00 TO 16H00)

CHAIRMEN: AKOURI MOHAMMED & DRISS BENHADDOU ||| AUDITORIUM: GAUDI (LEVEL 1)

B3

14H00	Alim-Ferhat Fatiha and Seddiki Sofiane	ACTIVE CONTOURS BASED MRI IMAGE SEGMENTATION	14H00
14H20	Yaser Ali, Ali El-Zaart and Hassan Mathkour	Segmentation of Skin Cancer Image Using Log-Normal Distribution	14H20
14H40	Daouia Azzouz and Smaïne Mazzouzi	Range Image Segmentation Based Randomized Region Growing	14H40
15H00	Gharbi Abdelhakim and Laouar Med Ridda	Support Vector Machine with Morphologic Features for Face Identification	15H00
15H20	Mostafa Merras, Nabil El Akkad, Abderrahim Saaidi, Abderrazak Gadhi Nazih and Khalid Satori	A New Method of Camera Self-Calibration with Varying Intrinsic Parameters using an Improved Genetic Algorithm	15H20
15H40	Ibtissem Bekkouché and Hadria Fizazi	Fuzzy Harmony Search for unsupervised clustering of the images	15H40

TOPIC B4: METHOD & MODEL-BASED SOFTWARE ENGINEERING ||| SATURDAY, MARCH 23TH 2013 (14H00 TO 18H00)

CHAIRMEN: AGHRIB ABDELSELAM /DIANI MUSTAPHA ||| AUDITORIUM: MATISSE (LEVEL 1)

B4

14H00	Sekhri Arezki, Hamdadou Djamilia And Beldjilali Bouziane	Towards a Neutron Decision Support System: Integration of Fuzzy C-Means segmentation algorithms	14H00
14H20	Afef Selmi, M. Mohsen Gammoudi And Farah Harrathi	A method for improving Algorithms of Formal Concepts extraction using Prime Numbers	14H20
14H40	Krolkral Narimane Wafaa, Fizazi Hadria And Yousfi Djaffar	Image Segmentation through Wavelets and Hidden Markov Chains	14H40
15H00	Taifi Khaddouj	Microcalcifications Detection and classification	15H00
15H20	Teimziti Amira And Bensebaa Taher	Screenwriting in an ILE of algorithmic	15H20
15H40	Youssef Gherghout And Yamina Tlili	Modeling of the machine learning algorithms by features/instances aggregation and selection	15H40
16H00	Benouis Mohamed, Senouci Mohamed, Tlemsani Redouane And Benhmza Younes Houari	Face Recognition Based on Two-Dimensional Subspace Analysis and Neural Network	16H00
16H20	Ferhani Iméne And Melouah Ahlém	Vers une approche adaptative pour la détection des masses mammaires	16H20
16H40	Ouardas L. Fatiha, Baba-Hamed Latifa And A. Sofiane	A Survey on Personalization Approaches Using Positive/Negative Preferences	16H40
17H00	Lamiche Chaabane And Moussaoui Abdelouahab	Automatic Segmentation Approach based Possibility Theory for the Classification of Brain Tissues	17H00
17H20	Ouahi Hassan, El Hajji Mohamed And Afdel Karim	Reversible Region of Interest (ROI) Watermarking for Authentication of Mammography Images	17H20
17H40	Asmaa Ourdighi, Bessa Barbari And Abdelkader Benyettou	An Automatic Lipreading System For Spoken Isolated Word Recognition Using Spiking Neural Network	17H40

TOPIC C1: IS TESTING, MAINTENANCE & PRACTICE
CHAIRMEN: EN-NAIMI EL MOKHTAR / RICHARD HACKEN

||| SATURDAY, MARCH 23TH 2013 (10H00 TO 11H40)
||| AUDITORIUM: GAUDI (LEVEL 1)

C1

10H00	Mokhdar Amel	Simulation d'une liaison optique en tenant compte de la Dispersion Modale de Polarisation	10H00
10H20	Khalid Benlhachmi and Mohammed Benattou	Conformity Testing of Inheritance Constraint for Object-Oriented Specification	10H20
10H40	Khalid Benlhachmi and Mohammed Benattou	Conformity Testing of Inheritance Constraint for Object-Oriented Specification	10H40
11H00	Slimane Hameg, Yacine Mohia, Mourad Lazri, Fethi Ouallouche and Zohra Ameur	Delineation of raining cloud using a neural network from Multi-spectral observations of SEVIRI radiometer	11H00
11H20	Said El Brak, Mohammed Bouhorma, Anouar Boudhir, Mohamed El Brak and Driss Benhaddou	Toward Making OLSR Aware of Voice Codec Configurations: Comprehensive Study	11H20

TOPIC C2: IS TESTING, MAINTENANCE & PRACTICE
CHAIRMEN: AMAMI BENISSA / MATHEW MILES

||| SATURDAY, MARCH 23TH 2013 (10H00 TO 12H00)
||| AUDITORIUM: MATISSE (LEVEL 1)

C2

10H00	Bennani Fatima Zohra	Conception D'une Architecture De Supervision Des Automates Programmables Industriel	10H00
10H20	Youssef Nakhroui, H. Aassif, R. Latif and Gerard M.	A neuro-fuzzy computing technique for modeling the acoustic	10H20
10H40	Mohamed Fezari and Fethi Amara	Acoustic Voice Analysis, a Non-Invasive Tool for Detection of Voice Disorders Using Adaptive Features	10H40
11H00	Senouci Mohamed and Beghdadi Hadj Ali	A parallel technique for mesh generation based on natural behaviors	11H00
11H20	Salma Azzouzi, Benattou Mohammed and My El Hassan Charaf	Synchronized Local Test Sequence for Testing Distributed Applications	11H20
11H40	Youness Chawki, Omar Ait Zemzami, Mohammed Ouanan and Brahim Aksasse	Analyse Spectrale Haute Résolution Bidimensionnelle via la BEMD	11H40

TOPIC D: ENTERPRISE ARCHITECTURE, SOA & E-COMMERCE
CHAIRMEN: EZZIYANI MOSTAFA & BELLETRECHE LADJEL

||| FRIDAY, MARCH 22TH 2013 (14H00 TO 15H00)
||| AUDITORIUM: DALI (LEVEL 1)

D

14H00	Phuc V. Nguyen	Factors Affecting Manager's Awareness Based On Acceptance Of Organization Information Security Metric	14H00
14H20	Azz El Arab El Hossaini, Khadija Jamali, Mohamed El Aroussi and Samir Mbarki	A New Robust Watermarking Scheme Based on Steerable pyramid and Singular value decomposition	14H20
14H40	Abdessamed Réda Ghomari and Tadjeddine Meabiu	E-Management du Processus «Gestion des Stages en Entreprise». Apports du PRM (Prospect Resource Management).	14H40

TOPIC E1: SECURITY TECHNOLOGY & NETWORK SYSTEMS

||| FRIDAY, MARCH 22TH 2013 (11H00 TO 12H20)

E1

CHAIRMAN: ESSAAIDI MOHAMMAD & HARROUD HAMID

||| AUDITORIUM: AL ANDALUS (LEVEL 0)

11H00	Abdessamad Benlafkih, Salah-Ddine Krit and Mohamed Chafik Elidrissi	Low voltage ,Comparative study of PID Controller and Analog controller on DC/DC buck Converter for mobile devices applications	11H00
11H20	Nesrine Toubaline	The Mapping in Network-On-Chip systems	11H20
11H40	Hicham Touil, Youssef Fakhri and Mohammed Benattou	Enhancing Traffic-QoS and Lifetime of Wireless Multimedia Sensor Networks Using TXOP Parameter of IEEE 802.11e EDCA	11H40
12H00	Zhou Zhong, Kaizhi Huang and Huiqing Bai	Using 2-Dimensional Classified Normalized BP-based Algorithm for LDPC Codes	12H00

TOPIC E2: SECURITY TECHNOLOGY & NETWORK SYSTEMS

||| SATURDAY, MARCH 23TH 2013 (14H00 TO 18H00)

E2

CHAIRMAN: ESSAAIDI MOHAMMAD & BOULMALEF MOHAMMED

||| AUDITORIUM: DALI (LEVEL 1)

14H00	Tijane Fatime Zohra Badri, Saadane R. and S. Mbarki	Interworking Architecture LTE-UMTS based on IMS control	14H00
14H20	Mekhaznia Tahar	Nature inspired heuristics for cryptanalysis of Feistel ciphers	14H20
14H40	Youness Jouihri and Zouhair Guennoun	The Smart Way to Implement Circuit Switch Fallback and to Reduce the Call Setup Time	14H40
15H00	Zohra Ameur, Mina Boulifa, Ramy Nekkache and Soltane Ameur	Segmentation of satellite images using a coding technique-general rank	15H00
15H20	Haffaf Hafid and Pushpendra Kumar	Intelligent Transportation System's communication techniques	15H20
15H40	Amel Behaz and Mahieddine Djoudi	An inference system for research and adaptation of learning resources based on the MBTI theory of psychological types	15H40
16H00	Zouhair Abdelghani Sadouq, Mounia Seraoui and Mohamed Essaaïdi	Clustering with power control to conserve energy in WSN	16H00
16H20	Ouail Abroun, Noura Aknin, Abderrahim Tahiri and Kamal Eddine El Kadiri	Toward The Integration Of Wireless Sensor Networks into Enterprises Decision Making Model	16H20
16H40	Fatima El Morabet, Sanae Chairi, Ahmed El Moussaoui and Noura Aknin	Comparative study of load balancing self optimizing schemes in LTE networks	16H40
17H00	Kaouter Labeled and Hadria Fizazi	An Evolutionary Approach for Images Segmentation in Remote Sensing	17H00
17H20	Abdelaziz Amara Korba, Mehdi Nafaa and Salim Ghanemi	Security Attacks in Mobile Ad Hoc Networks	17H20
17H40	Ahmed Ziani and Abdellatif Medouri	Enhanced Authentication and Key Agreement Protocol for UMTS Mobile Networks	17H40

TOPIC F1: AGENT & IS ENGINEERING FRIDAY, MARCH 22 TH 2013 (15H00 TO 16H00)				F1
CHAIRMEN: EZZIYANI MOSTAFA & BELLETRECHE LADJEL AUDITORIUM: DALI (LEVEL 1)				
15H00	Amina Sassi and Ramdane Maamri	A New Approach Data mining based agent		15H00
15H20	Dalel Kanzari and Khaled Mellouli	Psyrrational strategy to simulate negotiator's behavior on bilateral automated negotiation		15H20
15H40	Hassan Razouki, Abdelatif Hair and Qostal Aniss	Protéger des agents mobiles via deux politiques d'adaptation dynamique		15H40

TOPIC F2: AGENT & IS ENGINEERING FRIDAY, MARCH 22 TH 2013 (14H00 TO 15H40)				F2
CHAIRMEN: LAOUAR RIDDA & EL BRAK MOHAMMED AUDITORIUM: AL ANDALUS (LEVEL 0)				
14H00	Mostafa Ezziyani, Loubna Cherrat and Ahmed El Amraouiye	Intelligent System For Preventive Control And Monitoring In Real Time For Medicinal Plants During Growth (Pcs)		14H00
14H20	Aniss Qostal, Abdelatif Hair and Hassan Razouki	Les Agents mobiles et l'optimisation de leurs migrations		14H20
14H40	Boukerche Imène and Abdi Mustapha Kamel	Evolution Study of Object-oriented Systems by Multi-agent systems		14H40
15H00	Chekioui Rima, Messoud Mestefai and Nouioua Farid	Développement d'une architecture multi-agents pour une identification multimodale interactive		15H00
15H20	Boukerche Imène and Abdi Mustapha Kamel	The Evolution Study of Object-oriented Systems by Multi-agent systems		15H20

TOPIC G: IS & NEW TECHNOLOGIES SATURDAY, MARCH 23 TH 2013 (10H00 TO 11H00)				G
CHAIRMEN: JBILOU MOHAMMED & BOULMALEF MOHAMMED AUDITORIUM: DALI (LEVEL 1)				
10H00	Sidi Mohamed Moulaye Abdellahi, Mohamed Tahar Kimour and Mbaye Sene	An Architecture Framework to Design a Healthcare Information System I		10H00
10H20	Nadia Layachi and Khalil Brahmia	MyN-Health : évaluation multicritères des sites e-santé : vers l'information médicale fiable I		10H20
10H40	Bennani Fatima Zohra	supervision architecture design for programmer logical controller including crash mode I		10H40

TOPIC H: E-LEARNING & TRAINING SATURDAY, MARCH 23 TH 2013 (11H00 TO 12H00)				H
CHAIRMEN: JBILOU MOHAMMED & BOULMALEF MOHAMMED AUDITORIUM: DALI (LEVEL 1)				
11H00	Sean Eom	Antecedents And Outcomes Of Interaction In Asynchronous E-Learning Courses		11H00
11H20	Issam BENDIB and M. Ridda LAOUAR	Web Library for the Spoken Documents		11H20
11H40	Anrieta Draganova and Patrick Doran	Model for Effective e-Learning		11H40