IEEE CiSt'14

3rd International IEEE Colloquium on Information Science & Technology

20 - 22 October 2014 | Chams Hotel | Tetuan & Chefchaouen - Morocco

CONFERENCE FULL PROGRAM



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IEEE CiSt'14

3rd IEEE INTERNATIONAL COLLOQUIUM ON INFORMATION SCIENCE & TECHNOLOGY

20 - 22 OCTOBER 2014 - TETUAN & CHEFCHAOUEN, MOROCCO

MONDAY 20st Program

08:00 - 08:30	Registration of Participants - Opening and Welcoming Session
08:30 - 09:30	Keynote Talk: "Advancements in Big Data, Data Mining & Knowledge Discovery" Dino Pedreschi, KDD Laboratory, University of Pisa, Italy
09:30 - 10:00	Networking Coffee Break
10:00 - 12:30	* Oral Session CIST 1 Business Processes and Enterprise Architecture * Oral Session IMP 1 Image Processing * Oral Session CIST 2 Ambient Intelligence
12:30 - 14:30	Networking Lunch Break
14:30 - 15:45	IEEE CiSt'14 Industrial Session : Technolgy transfer, Innovation and Entrepreneurship Room : Main Conference Chair: Prof. Ahmed Aboutajeddine & Prof. Badr Eddine El Mohajir Moderator Talk: " Innovation in research". Ahmed Aboutaeddine, FSTF Fez, Morocco Keynote Talk: "Technology Transfer, Innovation and Entrepreneurship Opportunities in Morocco". Mohamed Essaaidi, Director Ensias, Rabat, Morocco "Linking IT and ERP adoption to socio-economic environment: A survey study on Moroccan SMEs" Hicham Rachidi. USMBA, Fez, Morocco "IT Business Innovation and Entrepreneurship in Software Engineering: Best Practices and Ingredients for Successful Development" Karim Boukabouz, Intelligent Business Solutions North Africa, Tetuan, Morocco "10 years evaluation: Fez E-Gov project achievements and perspectives" Houda Chakiri, Enhanced Technolgoy, Al Akhawayn University, Ifrane, Morocco "Technology Transfer and Research & Development from a perspective of an Industrial based in Morocco" Khalid Ayouche, FAAR Industry Africa and Middle East, Morocco
15:45 - 17:30	Moderator Talk: " New frontiers in Entrepreneurship". Ahmed Aboutaeddine, FSTF Fez, Morocco Panel and Open Discussion
17:30 - 18:30	Opening Ceremony & Networking Reception

* Each Session's program is available separately.

MONDAY 20st Program

Oral Session CIST 1: Business Processes and Enterprise Architecture

Room : Main Conference Chair: Prof. Ismail Jellouli

10:00 - 10:30

Paper 42: Towards a semantic enrichment of configurable process models
Loubna El Faquih, Hanae Sbai and Mounia Fredj
Al Qualsadi research team, ENSIAS, Mohammed V Souissi university, Morocco

10:30 - 11:00

Paper 101: A Holonic Extension of the i* Framework
Wahb Louaqad and Mohammed El Mohajir
FSDM USMBA, Fez, Morocco

11:00 - 11:30

Paper 24: Towards Formal Verification of Business Process using a Graphical Specification
Outman El Hichami, Mohammed Al Achhab, Ismail Berrada, BadrEddine El Mohajir and Rachid Oucheikh
Faculty of Sciences, Tetouan, Morocco

11:30 - 12:00

Paper 86: Overall design approach for urbanized information systems:
application of the method PRAXEME
Lamyae Serehane and Abdennebi Talbi
EST, USMBA, Fez, Morocco

12:00 - 12:30

Poster Session CiSt1: Social Networks and Virtual Communities

Paper 29: Security in Cloud Computing approaches and solutions.
Ibtissam Ennajjar, Youness Tabii and Abdelhamid Benkaddour
FS, Tetoaun, Morocco

Paper 45: ActOnto: an Extension of the SIOC Standard for Social Media Analysis and Interoperability
Asmae El Kassiri and Fatima-Zahra Belouadha
EMI, Rabat, Morocco

Paper 54: To social media and instructional design:
a partnership for the success of virtual communities
Mohammed Alqhtani
KKU, Saudia Arabia

Paper 95: Social computing: a study assessing social network addiction among youth in Nigeria
Aminu Da'U
Ecole Polytechnque, Nigeria

MONDAY 20st Program

Oral Session IMPI: Image Processing

Room : Cabo 0 Chair: Prof. Mohamed El Far

10:00 - 10:30
Paper 20: 3D Face Recognition Using Facial Curves,
Sparse Random Projection and Fuzzy Similarity Measure
Naouar Belghini and Soufiane Ezghari
FST, USMBA, Fez, Morocco

10:30 - 11:00
Paper 14: Global Overlapping block based reconstruction using exact Legendre moments.
Zaineb Bahaoui, Khalid Zenkouar, Hakim El Fadili, Arsalane Zarghili and Hassan Qjidaa
FST Fez, USMBA, Morocco

11:00 - 11:30
Paper 16: A Comparative Study of Biomedical Named Entity Recognition Methods Based Machine Learning Approach.
Mohammed Rais, Abdelhamid Lachkar, Abdelmonaime Lachkar and Said El Alaoui Ouatik.
ENSA, USMBA, Fez, Morocco

11:30 - 12:00
Paper 8: 3D Reconstruction from Silhouettes Based on Sparse Reconstruction and Photo-consistency
Soulaiman El Hazzat, Abderrahim Saaidi and Khalid Satori
LIIAN, FSDM, USMBA, Fez, Morocco

12:00 - 12:30
Poster Session IMPI: Methods and Applications

Paper 24: Enhanced Mobile positioning technique for UMTS users in both outdoor and Indoor environments
Ilham El Mourabit
Faculty of Sciences and Techniques, FSTM EEA&TI Laboratory, Mohammedia, Morocco

Paper 6: Image stitching based on the geometric solution.
Abderrahmane Laraqui, Abderrahim Saaidi, Abderrahmane Jarrar and Khalid Satori.
LIIAN, FSDM, USMBA, Fez, Morocco

MONDAY 20st Program

Oral Session CIST 2 : Ambient Intelligence

Room : Paloma 2 Chair : Chair: Prof. Mounir Arioua

10:00 - 10:30

Paper 64: Development of An Embedded Multi-Agent Software for Autonomous Robots.
Youssef Fathi and Said Benhlima
Faculty of Science, Moulay Ismail University, Meknes, Morocco

10:30 - 11:00

Paper 12: Toward an Optimal Model based on Inequality Measures for Treatment of Historical & Real Time Flood's Datasets
Marouane El Mabrouk, Mostafa Ezziyyani and Mohammad Essaaidi
Abdelmalek Essaadi University laSIT, Faculty of Sciences Tetuan, Morocco

11:00 - 11:30

Paper 41: Development of a Web-based Weather Station for Irrigation Scheduling
Mohamed Ali Fourati, Walid Chebbi, Anas Kamoun and Ali Sahli
RELEV_ENIS, Tunisia

11:30 - 12:00

Paper 81: Integrating Linked Sensor Data for On-line Analytical Processing On-The-Fly
Koly Guilavogui, Laila Kjiri and Mounia Fred
ENSIAS, Rabat, Morocco

12:00 - 12:30

Poster Session CiSt 2: Systems and Applications

Paper 104: A comparative study of predictive algorithms for time series forecasting
Meryem Ouahilal, Ismail Jellouli and Mohammed El Mohajir
Faculty of Sciences, UAE, Tetouan, Morocco

Paper 78: A pairing individual-trades system, using KNN method: The educational and vocational guidance as a case study
Essaid El Haji, Abdellah Azmani and Mohamed El Harzli
FST, Tangier, Morocco

Paper 11: Generating Android Graphical User Interfaces using an MDA Approach
Mohamed Lachgar and Abdelmounaïm Abdali
LAMAI, FSTG, Marrakech, Morocco

Paper 14: Neural Networks Based On Adjustable-Order Statistic Filters For Multimedia Multicast Routing
N. Saber, M. Khouil and M. Mestari
SSDIA, ENSET, Ibn Tofail University, Mohammedia Morocco

Paper 106: Heuristic construction Algorithm for the Job Shop problem with several robots and subject to blocking and no.-wait constraint
Saad Louaqad and Oualid Kamach
ENSA, UAE, Tangier, Morocco

Paper 3: Application of Project Management Software in Turnkey Electrification Projects in Ghana.
Zachariah Pabi Gariba
Accra Institute of Technology, Ghana

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TUESDAY 21st Program

08:00 - 08:30	Welcoming and Registration of Participants
08:30 - 09:30	Keynote Talk "Challenges and opportunities induced by Big Data and Open Data for Business Intelligence". Marie-Aude Aufaure, Ecole Centrale Paris, France
09:30 - 10:00	Networking Coffee Break
10:00 - 13:00	* Oral Session CiSt3: Algorithms, Ontologies and Decision-support systems * Oral Session IMP2: Medical Image Processing * Oral Session CiSt4: Cloud and Systems
13:00 - 14:30	Networking Lunch Break
14:30 - 15:30	IKeynote Talk "IPv6-based IoT Innovation Acceleration". Latif LADID, Research Fellow, SnT-Luxembourg University
15:30 - 17:00	* Oral Session CiSt5: Algorithms, Databases and Information Systems * Oral Session IMP3: Modeling 3D objects * Industrial Workshop: ERP, Business Intelligence and knowledge Management
17:00 - 17:30	Networking Coffee Break & Poster Discussion
17:30 - 19:00	* Oral Session CiSt6: Requirements and Systems Modeling * Oral Session IMP4: Modeling 3D Objects * Industrial Workshop: E-gov applications, IT Governance
20:00	Award Ceremony and Networking Gala dinner

* Each Session's program is available separately.

TUESDAY 21st Program

Oral Session CiSt3: Algorithms, Ontologies and Decision-support systems

Room : Main Conference Chair: Prof. Mohamed Chahhou

10:00 - 10:30	Paper 100: HCHIRSIMEX: An extended method for domain ontology learning based on conditional mutual information Omar El Idrissi Esserhrouchni, Bouchra Frikh and Brahim Ouhbi ENSAM, Morocco
10:30 - 11:00	Paper 99: Exploiting Statistical and Semantic Information for Document Clustering : an Evaluation on Feature Selection Asmaa Benghabrit, Brahim Ouhbi, El Moukhtar Zemmouri, Bouchra Frikh and Hicham Behja ENSAM, Morocco
11:00 - 11:30	Paper 38: Neural Network-based Decision Support System for Pre-diagnosis of Psychiatric Disorders Yousra Bouaiachi, Mohamed Khaldi and Abdellah Azmani LIROSA Lab. UAE Faculty of science, Tetouan, Morocco
11:30 - 12:00	Paper 105: Algorithms and Systems for Data Mining: A Survey Adil Eddib Jad Allah, Mohammed El Mohajir and Mohamed Chahhou FSDM, USMBA, Fez, Morocco
12:00 - 12:30	Paper 18: Smart Media Recommender System based on Semi Supervised Machine Learning Naouar Belghini, Nisrine Gouttaya, Ahlame Begdouri and Arsalane Zarghili FST Fez, USMBA, Morocco
12:30 - 13:00	Paper 35: A new hybrid approach for constructing the concept map based on fuzzy prerequisite relationships Ali Aajli and Karim Afdel LabSIV, Ibn Zohr University, Agadir, Morocco

TUESDAY 21st Program

Oral Session IMP2: Medical Image Processing

Room : Cabo 0 Chair: Prof. Arsalane Zarghili

10:00 - 10:30	Paper 22: Self-Organizing Mixture Models for Text-Independent Speaker Identification Ayoub Bouziane, Jamal Kharroubi and Arsalane Zarghili Laboratory of Intelligent Systems and Applications, FST, USMBA, Fez, Morocco
10:30 - 11:00	Paper 5: Rotated Haar-Like Features At Generic Angles For Objects Detection Mohamed Oualla, Adelalim Sadiq and Samir Mbarki Faculty of sciences, Ibn Tofail university, Kenitra, Morocco
11:00 - 11:30	Paper 10: Atlas and snake Based Segmentation of Organs at Risk in Radiotherapy in Head MRIs Boudahla Mohammed Karim FSDM, USMBA, Fez, Morocco
11:30 - 12:00	Paper 37: Collision Detection For Three Dimension Objects in a Fixed Time Meryem Khouil, Nadia Saber and Mohammed Mestari ENSET, Mohammedia, Morocco
12:00 - 12:30	Paper 9: Automatic localization of the optic disc in retinal colour images Abderrahmane Elbalaoui, Mehdi Boutaounte and Abdelkrim Merbouha FST Beni Mellal, Morocco

TUESDAY 21st Program

Oral Session CiSt4: Cloud and Systems

Room : Paloma 2 Chair: Prof. Ahlame Begdouri

10:00 - 10:30	Paper 69: The design of an IDS architecture for MANET based on multi-agent systems Sara Chadli, Mohamed Emharraf, Mohammed Saber and Abdelhak Ziyyat Electronics and Systems Laboratory, Faculty of Sciences of Oujda, Morocco
10:30 - 11:00	Paper 52: Efficient Vertical handover scheme on IMS network and cost analysis Hamid Allouch and Mostafa Belkasmi ENSIAS, Mohammed V Souissi University, Morocco
11:00 - 11:30	Paper 85: Elasticity and Scalability Centric Quality Model for the Cloud Abdeladim Alfath, Salah Baina and Karim Baina ENSIAS, Morroco
11:30 - 12:00	Paper 26: The load balancing improvement of a data center by a hybrid algorithm in cloud computing Fahim Youssef, El Habib Ben Lahmar, Labriji Hassan, Ahmed Eddaoui and Sara Ouahabi University Hassan 2 Faculty of sciences ben m'sik, Morocco
12:00 - 12:30	Paper 67: Towards a Smart Cloud Gate for Smart Devices Manel Gherari, Abdelkrim Amirat, Mourad Oussalah and Ridda Laouar LAMIS Laboratory, University of Tebessa, Algeria

TUESDAY 21st Program

Oral Session CiSt5: Algorithms, Databases and Information Systems

Room : Main Conference Chair: Prof. Brahim Ouahbi

15:30 - 16:00

Paper 80: Towards Integration of the Users' Preferences into the Common Warehouse Metamodel
Lamiae Demraoui, Behja Hicham, El Moukhtar Zemmouri and Rachid Ben Abbou
Faculté des Sciences et Techniques- Fes, Morocco

16:00 - 16:30

Paper 20: From ER Models to Multidimensional Models: The application of Moody and Kortink technique to a university information system
At-Taibe Adil and El Mohajir Badr Eddine
Faculty of sciences, Tetouan, Morocco

16:30 - 17:00

Poster Session CiSt2: Modeling approaches and Collaborative Systems

Paper 66: Modeling and Simulation of Multi-Agent Systems: Principle Influence Reaction
Najia Bouha
Laboratoire Image et Reconnaissance de Formes, SIC, Université Ibnou-Zohr, Agadir, Morocco

Paper 74: Cross-platform mobile development approaches
Salma Charkaoui, Zakaria Adraoui and El Habib Benlahmar
Universite Hassan II-Mohammedia-Casablanca, Faculte des Sciences Ben M'Sik, Morocco

Paper 89: The effectiveness of using collaborative editing in the development of innovative writing for Arabic educationnal language teachers
Saeed Alshahrani
KING KHALID UNIVERSITY, Saudia Arabia

Paper 5: Design of Wireless Communication platform of MCU Based on Wi-Fi
Meili Wen
Wuhan University of Science and Technolo, China

TUESDAY 21st Program

Oral Session IMP3: Modeling 3D objects

Room : Cabo 0 Chair: Prof. Jamal Kharroubi

15:30 - 16:00

Paper 11: Multicomponent Deformable Registration of Diffusion Tensor Images
Mohammed Khader and Abdessamad Ben Hamza
Concordia University, Canada

16:00 - 16:30

Paper 12: Adaptive P2PTV with Scalable Video Coding
Youssef Lahbabi, El Hassan Ibn Elhaj and Ahmed Hammouch
ENSET, Rabat, Morocco

16:30 - 17:00

Paper 21: Improving the recognition of pathological voice using the discriminant HLDA transformation
Othman Lachhab, Joseph Di Martino, El Hassane Ibn Elhaj and Ahmed Hammouch
ENSET, Mohammedia, Morocco

TUESDAY 21st Program

Industrial Workshop: ERP, Business Intelligence and knowledge Management

Room : Industrial Hall

15:30 - 16:00	Innovative applications for entreprise ressources planning and management.
16:00 - 16:30	Management for Enterprise Economic Competitiveness
16:30 - 17:00	B2B Meetings

TUESDAY 21st Program

Oral Session CiSt6: Requirements and Systems Modeling

Room : Main Conference Chair: Prof. Abdellah Fellahi

17:30 - 18:00
Paper 59: System requirements prioritization based on AHP.
Fadoua Fellir, Khalid Nafil and Rajaa Touahni
University Ibn Tofail, Kenitra, Morocco

18:00 - 18:30
Paper 72: Getting the Static Model of PIM from the CIM.
Abdelouahed Kriouile, Najiba Addamssiri, Taoufiq Gadi and Youssef Balouki
University Hassan Ier - FST, Settat, Morocco

18:30 - 19:00
Paper 76: The projection of the specific practices of the third level of CMMI model in agil methods : Scrum XP and Kanban
Zineb Bougroun, Adil Zeaaraoui and Toumi Bouchentouf
University Mohamed Premier, Morocco

TUESDAY 21st Program

Oral Session IMP4: Modeling 3D Objects

Room : Cabo 0 Chair: Prof. Mohamed Chahhou

17:30 - 18:00

Paper 15: Multiple Object Detection using OpenCV on an Embedded Platform
Souhail Guennouni, Anas Mansouri and Ali Ahaitouf
Université Sidi Mohammed Ben Abdellah, FST , Fez, Morocco

18:00 - 18:30

Paper 1: Improving Transfer Time of Digital Images by Combining Compression and Encryption
Faiq Gmira, Said Hraoui, Abderahim Saaidi, Abderrahmane Jarrar Oulidi and Khalid Satori
LIIAN, FSDM, USMBA, Fez, Morocco

TUESDAY 21st Program

Industrial Workshop: E-gov applications, IT Governance

Room : Industrial Hall

17:30 - 18:00	Change management, risk management, and compliance
18:00 - 18:30	Smart Innovation, Systems and Technologies
18:30 - 19:00	B2B Meetings

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WEDNESDAY 22nd Program

08:00 - 08:30	Welcoming and Registration of Participants
08:30 - 09:30	Keynote Talk "Psycho computational models of language processing and learning" Vito Pirrelli, CNR, Pisa, italy
09:30 - 10:00	Networking Coffee Break
10:00 - 12:30	* Oral Session CiSt7: Algortihms and Systems * Oral Session ANLP1: From Form to Content * Oral Session IoT1: Protocols and Applications
12:30 - 14:30	Networking Lunch Break
14:30 - 15:30	Keynote Talk "Arabic Natural Language Processing: Models, Systems and Applications". Abdelhadi Soudi, ENIM, Rabat, Morocco
15:30 - 17:00	* Oral Session CiSt8: Intelligent Learning Systems and Online Education * Oral Session ANLP2: Cultural and Linguistic implications * Oral Session IoT2: Sensors and Networks
17:00 - 17:30	Networking Coffee Break & Poster Discussion
17:30 - 19:30	* Industrial Workshop: Big Data, Data Mining and Analytics * Oral Session ANLP3: Arabic Language Processing * Oral Session IoT3: Clustering and Heterogeneous Networks
19:30 - 20:00	Conference Closure Ceremony

* Each Session's program is available separately.

WEDNESDAY 22nd Program

Oral Session CiSt7: Algortihms and Systems

Room : Main Conference Chair: Prof. El Moukhtar Zemmouri

10:00 - 10:30
Paper 60: Interactive simulation as a virtual tool in electromagnetics for online education
Khalid Salmi, Hamid Magrez and Abdelhak Ziyyat
Electronics and Systems Laboratory, University Mohamed Premier, Morocco

10:30 - 11:00
Paper 90: Application of Multi-Agent Markov Decision Processes to Gate Assignment Problem
Oussama Aoun and Abdellatif El Afia
ENSIAS, Morocco

11:00 - 11:30
Paper 19: Cat Swarm Optimization to Solve Job Shop Scheduling Problem
Abdelhamid Bouzidi and Mohammed Essaid Riffi
Dept. Computer science, MATIC laboratoty, Faculty of Science , Chouaib Doukkali University, Morocco

11:30 - 12:00
Paper 87: Generating Control Flow Graph from Java Card Byte Code
Achkar Amine, Benattou Mohammed and Lanet Jean-Louis
Ibn Tofail University, Kenitra, Morocco

12:00 - 12:30
Paper 17: Mining user patterns for location prediction in mobile social networks
Fatima Mourchid, Ahmed Habbani and Mohamed El Koutbi
ENSIAS, Morocco

WEDNESDAY 22nd Program

Oral Session ANLPI: From Form to Content

Room : Cabo 0 Chair: Prof. Arsalane Zarghili

10:00 - 10:30

Paper 1: Arabic Medical Term Compilation from Wikipedia
Jorge Vivaldi and Horacio Rodríguez
Institut Universitari de Linguistica Aplicada Universitat Pompeu Fabra Spain
Universitat Politécnica de Catalunya, Spain

10:30 - 11:00

Paper 12: Exploring Term Proximity Statistic for Arabic Information Retrieval
Abdelkader El Mahdaouy, Éric Gaussier and Saïd El Alaoui Ouatik
FSDM - LIM USMBA, Fez, Morocco

11:00 - 11:30

Paper 17: Mixed Method for Extraction of Domain Terminology From Text: Linguistic and Statistical Filtering
El Khadir Lamrani, El Habib Ben Lahmar, Marzak Abdelaziz and Hammad Ballaoui
FS Ben M'sik Hassan 2 University, Casablanca, Morocco

11:30 - 12:00

Paper 13: Enhancing Arabic WordNet with the use of Princeton WordNet and a bilingual dictionary
Riccardo Del Gratta and Ouafae Nahli
Institute for Computational Linguistics, National Research Council - ILC, CNR Pisa, Italy

12:00 - 12:30

Paper 2: Syllabic Markov Models of Arabic
Michael Ingleby and Fatmah Baothman
King Abdulaziz University, Jeddah, Saudi Arabia

WEDNESDAY 22nd Program

Oral Session IoTI: Protocols and Applications

Room : Paloma 2 Chair: Prof. Mounir Arioua

08:30 - 09:30	Keynote Talk "Advancements in IoT technologies and applications". Mohammad Hammoudeh, School of Computing, Manchester Metropolitan University, United Kingdom
10:00 - 10:30	Paper 12: Multiple Active Cores-based Shared Multicast Tree for mobile IPv6 environment Youssef Baddi and Mohamed Dafir Ech-Cherif El Kettani ENSIAS - Mohammed V-Souissi University, Rabat, Morocco
10:30 - 11:00	Paper 1: The Internet of Things for Healthcare Monitoring: Security Review and Proposed Solution Anass Rghioui, Aziza L'Aarje, Anass Khannous, Fatiha Elouaai and Mohammed Bouhorma Department of Computer Sciences, FST, Tangier, Morocco
11:00 - 11:30	Paper 16: A Dynamic Multi-Criteria Routing Algorithm Based in Centrality Measures for Wireless Sensor Networks Fouad El Hajji, Charekaoui Leghris and Khadija Douzi FST of Mohammadia, Morocco
11:30 - 12:00	Paper 26: An Efficient Short Range Wireless Communication Technology for Wireless Sensor Network Anouar Darif, Rachid Saadane and Driss Aboutajdine Faculty of Science of Rabat, Mohammed V-Agdal University, Rabat, Morocco
12:00 - 12:30	Paper 27: Conserving energy in WSN through Clustering and power control Zouhair A. Sadou and Mohamed Essaaidi Faculty of Sciences, Abdelmalek Essaadi University, Tetouan, Morocco

WEDNESDAY 22nd Program

Oral Session CiSt8: Intelligent Learning Systems and Online Education

Room : Main Conference Chair: Prof. Anouar Abtoy

15:30 - 16:00

Paper 44: The Impact of The Implementation of Our System IDCBR-MAS
Abdelhamid Zouhair and El Mokhtar En-Naimi
University of Abdelmalek Essaâdi, FST, LIST laboratory, Tangier, Morocco

16:00 - 16:30

Paper 61: A fuzzy expert system in evaluation for E-learning
Khalid Salmi, Hamid Magrez and Abdelhak Ziyyat
Electronics and Systems Laboratory, University Mohamed Premier, Morocco

16:30 - 17:00

Poster Session CiSt4

Paper 102: The Impact of E-Learning in Teaching Geography on Enhancing the Skills of Inference and Interpretation of Secondary School Students in Kingdom of Saudi Arabia
Theyab Moqbel Hareb Asharari
AlJouf University, Saudia Arabia

Paper 55: Evaluating the use of the e-learning management system at the University of King Khalid
Amer Albishi
University of King Khalid, Saudia Arabia

Paper 13: Qualification of teachers in the physical sciences simulation: Case of electricity
Mohammed Chekour, Al Achhab Mohammed, Mohamed Laafou and Rachid Janati-Idrissi
ENSA, Tetouan, Morocco

WEDNESDAY 22nd Program

Oral Session ANLP2: Cultural and Linguistic implications

Room : Cabo 0 Chair: Prof. Mohammed El Hannach

15:30 - 16:00

Paper 7: Off-line Recognition Handwriting Arabic Words Using Combination of Multiple classifiers
Ahlam Maqqor, Akram Halli, Khalid Satori and Hamid Tairi
University Sidi Mohamed Ben Abellah, Faculty of Science Dhar EL Mahraz, Fez, Morocco

16:00 - 16:30

Paper 15: Towards a flexible open-source software library for multi-layered scholarly textual studies
An Arabic use-case dealing with semi-automatic language processing
Angelo Mario Del Grosso and Ouafae Nahli
Institute for Computational Linguistics of the Italian National Research Council (ILC-CNR) of Pisa

16:30 - 17:00

Poster Session ANLP2

Paper 16: An XML database for Modern Standard Arabic (MSA) verbs generated from triliteral roots
Youssef TAHIR
University Hassan II - ENSAM - Casablanca

Paper18: Interactive System Based on Web Search Results Clustering for Arabic Query Reformulation
Issam Sahmoudi and Abdelmonaime Lachkar
ENSAF, USMBA

Paper19: A new method to construct a statistical model for Arabic language
Ali Sadiqui and Ahmed Zinedine
FSDM, USMBA, Fez, Morocco

Paper 3: Automatic Recognition System for Arabic Numbers
Hamadouche Maamar, Tebbi Hanane and Mhania Guerti
Ecole Nationale Polytechnique Alger

WEDNESDAY 22nd Program

Oral Session IoT2: Sensors and Networks

Room : Paloma 2

15:30 - 16:00

Paper 23: Efficiency Evaluation of Routing Protocols for Vanet
Mohammed Fihri, Mohamed Otmani, Abedelhalim Hnini and Abdellah Ezzati
Department of mathematics and informatics, FST, Settat, Morocco

16:00 - 16:30

Paper 28: Simulation of the vertical handoff in WLAN-WIMAX-LTE heterogeneous networks
Wafa Benaatou and Adnane Latif
ENSA, Cadi Ayyad University, Marrakech, Morocco

16:30 - 17:00

Poster Session IoT1

Paper 9: Localization Algorithms Research in Wireless Sensor Network Based on Multilateration and Trilateration techniques
Labyad Asmaa, Kharraz Aroussi Hatim and Mouloudi Abdelaaziz
Laboratory LaRIT, Ibn Tofail University, Kenitra, Morocco

Paper 7: Performance Analysis of Routing Protocols for Wireless Sensor Networks
MALEH Yassine and Abdellah EZZATI
Faculty of Sciences and Technology Hassan Ist University Settat, Morocco

Paper 8: Study of MAC Protocols for Mobile Wireless Body Sensor Networks
Maryam El Azhari, Ahmed Toumanari and Rachid Latif
ESSI, National School of applied Sciences, Ibnou Zohr university, Agadir Morocco

Paper 22: Coalitional game for green selfish CRN using partition form
Imane Daha Belghiti, Mouna El Machkour and Ismail Berrada
University sidi mohamed ben abdellah, ENSIAS

WEDNESDAY 22nd Program

Industrial Workshop: Big Data, Data Mining and Analytics

Room : Industrial Hall

17:30 - 18:00	Predictive Analysis & Knowledge Discovery
18:00 - 18:30	Algorithms and Systems for Big Data & Analytics
18:30 - 19:30	B2B meetings

WEDNESDAY 22nd Program

Oral Session ANLP3: Arabic Language Processing

Room : Cabo 0 Chair: Prof. Ahmed Zinedine

17:30 - 18:30	Keynote Talk "Automatic Analyzers in Arabic Natural language". Mohammed El Hannach, University of Fez, Morocco
18:30 - 19:00	Paper 8: Sharing the digital pedagogical resources between institutions of higher education in Morocco Hamid Slimani, Nour-Eddine El Faddouli, Mohammed Khalidi Idrissi and Samir Bennani Mohammadia School, Mohammed V-Agdal University, Rabat, Morocco.
19:00 - 19:30	Paper 14: Word Processing for Arabic Language. A reappraisal of morphology induction through adaptive memory self-organisation strategies Claudia Marzi, Ouafae Nahli and Marcello Ferro Institute for Computational Linguistics, National Research Council - ILC, CNR Pisa Italy

WEDNESDAY 22nd Program

Oral Session IoT3: Clustering and Heterogeneous Networks

Room : Paloma 2 Chair: Prof. Arioua Mounir

17:30 - 18:00	Keynote Talk : "Green Technology and Corporate Social Responsibility for Engineering Sustainabilitys" Ezendu Ariwa Department of Computer Science and Technology, University of Bedfordshire, United Kingdom
18:00 - 18:30	Paper 20: Performance Evaluation of OFDM-SDMA Based Cognitive Radio Networks with Massive MIMO Mostafa Hefnawi Royal Military College, Canada
18:30 - 19:00	Paper 3: Wavelet Networks for reducing the Envelope Fluctuations of Multi-Carrier Modulations Iqdour Radouane and Jabrane Younes ENSA, Cadi Ayyad University, Marrakech, Morocco
19:00 - 19:30	Paper 30: Improving Threshold Distributed Energy Efficient Clustering Algorithm for Heterogeneous Wireless Sensor Networks Mostafa Baghouri, Saad Chakkor and A. Hajraoui Faculty of Sciences, Abdelmalek Essaadi University, Tetouan, Morocco

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