Call for Papers

First call
Are Jointly Organized on 16-18 December 2014
In Marrakech Morocco

CESA 2014: 6th Multi-Conferences on Computational Engineering in Systems Applications

CCCA 2014: 3rd Communications, Computing and Control Applications

MGEF 2014: Mediterranean Green Energy Forum


About the conference:
This major international multi-conference hosted by the University Cadi Ayad and the ENSA of Marrakech - Morocco, is jointly organized by the LSIS Marseille and the Ecole Centrale de Lille – France.


Organized by EC Lille, LSIS Marseille and RMEI

Partner institutions
Centrale Lille, France, AMU & Polytech' Marseille, France, Cadi Ayad University and ENSA of Marrakech, Morocco.

It is intended to serve as a major international forum for the exchange of ideas, and to provide a platform for effective interaction between researchers in different relevant areas. This will be an opportunity for sharing their innovative and creative works and to present their original contributions.

The objective of this event is also to assess the state of the art on various theoretical and practical aspects of computational engineering of System. Theory and its application, and to provide an overview of academic research in the field of Control, Communications/Information Technology and Computer Sciences.

The conference will take place in Marrakech, a place rich in cultural and historical attractions. Marrakech possesses a large number of world-class conference facilities, communication infrastructures and hotels, and has successfully hosted many important international conferences. Participants to the Conference will enjoy the sightseeing of Moroccan natural beauties, history, the hospitality Moroccan people and of course the world famous Moroccan cooking.

Important dates
July 15 2014: Deadline for full papers submission
September 1, 2014: Notification of acceptance
October 1, 2014: Submission of final papers
December 16-18: Conference in Marrakech

All correspondence relating to the multiconference should be addressed to the attention of Secretariat CESA’2014. Ecole Centrale de Lille, BP. 48, cité scientifique, 59650, Villeneuve d’Ascq Cedex France.
Email: cesa2014@ec-lille.fr
Website: http://cesa2014.ec-lille.fr
Topics of interest include, but are not limited to:

**Automation and Control Engineering:** Control strategies, Robust control, Predictive and adaptive control, Cooperative Control, Energy Control, Motion Control, Optimal Control, Process Automation, Process Control & Instrumentation, Surveillance Strategies, Mathematical modeling, System identification, Fault diagnosis, Fault tolerant control, Discrete event systems, Hybrid systems, stochastic systems, Nonlinear Systems, networked systems, Distributed parameter systems, Large scale complex systems, Micro and Nano Systems.

**Robotics and Mechatronic:** Mechatronics and Automation, Robot Mechanism and Design, Medical Robot and its Application, Mobile robots and Intelligent Autonomous Systems, Robotics Vision, Robotics for rehabilitation and assistance, Humanoid robot, Space and underwater robot, Industrial Robotics and Automation, Mechanical systems and robotics; …

**Logistics and Transport:** Logistics and process management, Innovative Transport Systems for Urban Areas and Urban Freight Transport, Transportation systems, Vehicular and traffic control, Intelligent transport, Automobile and automotive applications, manufacturing modelling for management and control, enterprise integration and networking.

**Computer and Information Science:** Computer network and Security, Computer Science and Engineering, Computer simulation and modelling, Grid computing, Information retrieval and Information Security, Internet and Web Applications, Neural Networks and Genetic Algorithms, Artificial Intelligence, Client/Server Computing, Distributed Objects, Game and Entertainment Technologies, Security and Cryptology; Fuzzy logic and soft computing; Intelligent web-based business; Distributed AI algorithms and techniques- Programming and Reinforcement Learning, Virtual Reality and Visualization, Emergent Technologies- Soft Computing and Hybrid Soft Computing; Tools and Operations Research - Data Mining- software agents and agent based simulation- swarm intelligence & technology; Collective intelligence; Computational neuroscience; Cognitive models; Agent-based systems; Metaheuristic optimization algorithms; Particle swarm optimization; Ant colony optimization; Self-organizing maps and competitive learning; Multi-objective evolutionary algorithms; bio-inspired and autonomic computing, Multi agent systems, Network protocols, Wireless systems, Networks and Quality of services, Network Engineering and Network Security.


**Image processing and computer vision:** Multi-resolution vision techniques, Active and robot vision, Cognitive and biologically inspired vision, Classification and clustering techniques, Motion and tracking algorithms, Biometric authentication, Medical image processing and analysis, Geometric modelling and fractals, Image data structures and databases, Image compression, Image feature extraction, Image restoration, Shape representation, Video analysis, Indexing and retrieval of image, Object recognition; Intrusion detection and fault diagnosis; Face recognition; …

**Applications:** Aerospace and automotive systems, Marine systems, Agricultural systems, Mining systems, Biomedical and chemical processes, Biological and pharmaceutical processes, Metal processing, intelligent autonomous vehicles, Medical applications, Geology and geophysics; Nuclear physics, Military and defence related applications, climate systems and global changes, Business and Management.

**Education:** Preparing graduates for academia and industry, Active learning tools, Collaborative learning, e-Learning design and methodologies, Virtual learning environments, On-line education, e-Universities.

**Submission information**

**Papers for regular sessions:** The submitted full papers will be reviewed by a panel of experts. After receiving the acceptance notification, you are required to submit your full camera-ready paper to the conference.

**Papers for organized sessions:** Upon acceptance the proposal organized session will be part of the conference organized sessions. The submitted papers for an organized session will be reviewed by the session organizers. All proposals to organize sessions or paper submissions must be submitted via the Conference Website: http://cesa2014.ec-lille.fr

**Best communications:** The best papers (about 10% of the papers) will be selected and proposed for further development in order to be published in various high quality international journals.