

Smart Living Cities

Big Data

Sustainable Development Innovations

CALL FOR PAPERS IIT'15



Innovations in Information Technology (IT) are the result of creating and/or integrating technologies, processes, services, infrastructure, and applications to solve problems. Innovations in IT are the basis for radical improvements in resource efficiency on a software intense planet, and at the same time for improving our quality of life. The main goal of such innovations is to generate happy, highly educated, sociable and healthy generations. At present, development in our digital infrastructure has already transformed our lifestyle, creating knowledge-based societies. Sustainable economic growth and global demographic developments make it crucial to innovate in smart applications in key domains such as Energy Markets and Mobility, Environment and Nutrition, Transportation and Logistics, Health-Care and Preventive Lifestyle Support, and Social Participation and Education to ensure long-term, high quality sustainable development. Those smart applications demand infrastructures and systems that are more efficient and agile than those actually operating, and lead to quantitative and qualitative progress. Disruptive innovations in IT are crucial for smart growth.

The annual international conference, **Innovations in Information Technology (IIT'15)**, is a premier forum to present and discuss technology advances and research in the field of Information Technology. To be held in Dubai, a dynamic and vibrant city, **IIT'15** is the third largest IT exhibition in the world, **IIT'15** is the 11th in the series that has been held since 2004. **IIT'15** brings together leading innovators in Research & Development and Entrepreneurs in IT from around the world. The latest advances in fields from traditional computer science to evolving smart applications and technologies are explored in **IIT'15** conference tracks. **IIT'15** is technically co-sponsored by **IEEE Computer Society**. Accepted papers will be published by **IEEE** and fully indexed in **IEEEExplore**. We look forward to your involvement and participation!

Organizing Committee

Honorary Chairs

Mohamed Albaili, UAE Univesity, UAE
Shayma Al Kobaisi, UAE University, UAE

Chairs

Leila Ismail, UAE University, UAE
Achim P. Karduck, Furtwangen University, Germany
Manar Abu Talib, University of Sharjah, UAE

Track Chairs

Innovations in Information and Communication Infrastructures

Sherali Zeadally, University of Kentucky, USA
Hesham El-Sayed, UAE University, UAE
Vidy Potdar, Curtin University of Technology, Australia
Internet of Things (IoT)

Rachida Dssouli, Concordia University, Canada
Madjid Merabti, Liverpool John Moores University, UK
David A. McMeekin, Curtin University, Australia

Smart Collaborative Platforms and Logistics

Elizabeth Chang, University of New South Wales
UNSW@ Australian Defense Force Academy, Australia
Alain Abran, University of Quebec, Canada
Frederick Benaben, Ecole de Mines Albi-Carmaux (EMAC), France

Big Data and Smart Applications

El-Ghazali Talbi, Polytech'Lille - University of Lille 1, France

Jawwad Shamsi, National University of Computing and Emerging Sciences, Pakistan

Latifur Khan, University of Texas-Dallas, USA

Amadou Sienou, abamix Consulting, Germany

Cyber-Physical Energy Systems

Martin Anda, Murdoch University, Australia,
Neil Brown, Institute of Energy and Sustainable Development, De Montfort University, UK
Rupert Gammon, Institute of Energy and Sustainable Development, De Montfort University, UK
Mahmoud Al-Qutayri, Khalifa University, UAE

Tutorials and Workshops Co-Chairs

Mahmoud Al Ahmad, University of Nebraska, USA
Khaled Shuaib, UAE University, UAE

Conference Tracks

Topics of interest include but not limited to the following major themes/tracks. Research papers are invited but not limited to the following areas:

Track A: Innovations in Information and Communication Infrastructures

Advanced Network Technologies, Heterogeneous networks, and Real Time Networks
Quality of Services
Next Generation of Mobile Networks
Ad-Hoc and Sensor Networks, Wireless Networks
Distributed Systems, Grid Computing
Smart Grid
Mobility Management and Mobile computing
Information and Cyber Security for Smart Living Spaces

Track B: Internet of Things (IoT)

ICT Architecture for IoT
System design, Modeling and Simulation
Grid Computing , and Cloud Computing
Real-Time Systems for IoT, Autonomic Systems
Security, Privacy, Trust and Reliability
Software Design and Development of IoT-Based Applications
Intelligent Data Processing
Smart Appliances & Wearable Computing Devices

Track C: Smart Collaborative Platforms and Logistics

Agile Information Systems
Design, Modeling and Simulation of Collaborative Applications
Practice and Experiences of Collaborative Applications
Risk Management, Smart Business
Middleware Support for Collaboration
Real-Time Information Sharing and Interaction
AI and Decision-Support Systems

Track D: Big Data and Smart Applications

Big Data Analytics and Algorithms
High Performance Computing and Real-Time of Big Data Processing
Big Data Storage and Distribution
Data Mining
Grid Computing and Cloud Computing

SUBMISSION

IIT'15 seeks original manuscripts (6 pages maximum in IEEE two-column format) that has not been previously published or is currently under review by other conferences or journals. Describing research in all aspects of Information Technology that contribute to the conference theme tracks. All papers will be peer reviewed, and acceptance will be based on quality, relevance, originality, and quality. Submission of tutorial proposals and workshops are also welcomed. The submission guidelines will be available on the conference website: <http://www.it-innovations.ae/iit2015/Authors.html>. Paper submission is set up through <http://www.edas.info>

BEST PAPER AWARDS

Two best papers of the conference will be selected by the program committee. One will be awarded the "Best Research Paper Award" and another one will be awarded the "Best Application Paper Award" (for application-oriented submissions).

IMPORTANT DATES

Papers submission	16 August 2015
Student Posters submission	15 July 2015
Tutorials submission	30 May 2015
Notification for Tutorials	30 August 2015
Notification of Papers	from 15 September 2015
Notification of Posters	from 09 September 2015
Submission of Organizing Workshops Proposals	21 March 2015
Notification for Organizing Workshops Proposals	25 March 2015
Final Camera-Ready Paper and Registration (Payment)	29 September 2015

Student Posters and Demos

Nabeel Al-Qirim (Chair), UAE University, UAE
Azzam Al-Safar, UAE University, UAE
Fatiha Djebbar, UAE University, UAE

Publications

Najah Abu Ali (Chair), UAE University, UAE
Hadeel Kassabi, UAE University
Sujith Mathew, UAE University

Finance

Muna Al Dahmani, UAE University, UAE

Registration

Azam Beg (Chair), UAE University, UAE
Zakaria Maamar, Zayed University, UAE
Mohammad Banat, UAE University, UAE

Local Arrangements and Social Program Co-Chairs

Ezedin Barka, UAE University, UAE
Emad Bataineh, Zayed University, UAE
Ali el-Fadl, UAE University, UAE

Sponsorship

Adel Serhani, UAE University (Chair)
Yacine Atif, UAE University

Publicity Chair

Fulvio Fratti, Milano University, UAE
Jose Berengueres, UAE University, UAE
Nikos Tziritas, Chinese Academy of Sciences, China
Muna Saeed, UAE University, UAE

Web and IT

Mamoun Awad (Chair), UAE University, UAE
Reem Saeed (Webmaster & Designer), UAE University, UAE
Ahmed Talal, UAE University, UAE
Hadeel El-Kassabi, UAE University, UAE

Special Issue Journals Chair

Liren Zhang, UAE University, UAE

Organizer

College of Information Technology, UAE University

Middleware for Smart Applications
e-Health, Smart Learning, Intelligent Processing and
Intelligent Applications

Track E: Cyber-Physical Energy Systems

Theory, Tools and Applications
System Design, Modeling and Simulation
Testbeds and Experiences
Algorithms for Energy Efficiency
Middleware
Design and Development of Protocols for Sustainable
energy
Design and Development of Secure and Resilient
Systems

All tracks are driven by the latest IT innovations, and their contributions for sustainable social, economic, and ecologic development. IIT’15 main goal is to contribute to our Future Smart Living Spaces and radically improve resource efficiency and quality contributions on a Software Intense **Planet**.