

28 - 30 April, 2015  
USTHB, Algiers, ALGERIA

www.isps.usthb.dz

## Final Call for Papers

### Scope

The International Symposium on Programming and Systems (ISPS) is a biennial event that brings together top researchers in Computer Science from all over the world to present and discuss recent research results in various areas of the field. Strong of its experience that accuses more than 20 years, the ISPS conference has evolved and managed to gather around her a scientific participation of high quality and growing interest. Indeed, from its first edition in 1991, the growth has been steady and substantial through the eleven past editions. From the edition held in 2011, ISPS has earned the IEEE label and the conference papers were indexed through IEEE Xplore and for the 2013 edition, we have received the technical sponsorship of IEEE subsection Algeria. Beside, ISPS now benefits from the expertise of an international program committee whose members have been chosen for their technical quality. The papers are reviewed according to international standards via the Easy Chair conference system. ISPS is already at its twelfth edition, a sure sign of maturity and quality ! And the managing team aims to continue in this way and ensure the continuation of the high quality of the conference. The purpose of the 12th ISPS conference is to bring more and more together researchers, engineers and practitioners interested in the computer science and technological advances. Papers describing advanced prototypes, systems, tools and techniques and general survey papers indicating future directions are encouraged. All papers must describe original work, not previously published or submitted to another conference. Accepted papers, presented at the conference by one of the authors, will be published in the Proceedings of ISPS. Acceptance will be based on quality, relevance and originality. Both full research reports and work-in-progress reports are welcome. There will be both oral and poster sessions. ISPS'2015 have four main tracks, covering different domains of computer science including Communication Technologies and Systems Security, Information Technology, Computational Intelligence and Computer systems and Applications.

### Journals

Selected papers will be considered for publication in one of the following journal's special issue.

- Information Technology for Development (ITD)
- Journal of Computing Science and Engineering (JCSE)
- International Journal of Computational Intelligence Systems (IJCIS)
- Journal of Testing and Evaluation (JOTE)
- International Journal Network Protocols and Algorithms (IJNPA)

### Conference Tracks and Sub-topics

Each topic of track is expanded below but the list of sub-topics is not exhaustive.

#### TRACK 1 : Communication Technologies and Systems Security

*Chairs : Mahfoud BENCHAIBA & Abdelmadjid BOUABDALLAH*

Networking and Communications; Mobile and Ubiquitous Computing; Energy-Efficient Network Services and Operations; P2P-Mobile Social Networks and Computing; Grid, Cluster and Internet Computing; Distributed Systems and Applications; Wireless Sensor Networks; Wireless Vehicular Systems; Body Area Networks; Structural Health Monitoring; Programming Frameworks and Middleware Platforms; Systems Security, Privacy and Trust;

#### TRACK 2 : Information Systems & Information Technology

*Chairs : Aicha MOKHTARI-AISSANI & Ladjel BELLATRECHE*

Big Data; Data Warehousing and Data mining; Integration, Interoperability and Linked Data; Data base, Information Systems and Geographic Information Systems; Decisional Information Systems; Information Retrieval and Query Support; Semantic Web Technologies; Ontology Based Modeling; Internet of Things; Business Process Management; Social Networking and Knowledge Management;

#### TRACK 3 : Computational Intelligence & Intelligent Systems

*Chairs : Slimane LARABI & Mohamed-Chaker LARABI*

Machine Learning; Pattern Recognition; Multimedia Tools and Applications; Natural Language Processing; Human-Computer Interaction; Image Analysis and Computer Vision; Decision Support Systems; Evolutionary Computation (Metaheuristics, Hybrid Intelligent Systems and Agent Based Systems); Pervasive Systems; Constraint Satisfaction and Optimization; Knowledge Representation and Reasoning;

#### TRACK 4 : Computer Systems, Formal Models and Applications

*Chairs : Karima AKLI-ASTOUATI & IOUALALEN-BOUKALA Malika*

Modeling and Programming Languages; Real Time Systems; Operating Systems; Bioinformatics; Embedded Systems; Software Engineering; Advanced Algorithms and Applications; Formal Modeling, Simulation, Verification and Validation; Semantic Web Foundations; Heterogeneous Modeling; Green Computing Models;

#### Conference Chair

Abdelmadjid BOUKRA  
USTHB University

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USTHB University  
&  
Mohand BOUGHANEM  
Toulouse University

#### Organizing Committee Chair

Kamel BOUKHALFA  
USTHB University

#### Paper Submission

All submissions will be handled electronically via the easy Chair conference system  
<https://www.easychair.org/conferences/?conf=isps2015>  
and will go through a blind review process. Detailed instructions are available on the conference site [www.isps.usthb.dz](http://www.isps.usthb.dz).

#### Best Paper Awards

Prizes will be given to the three best papers.

#### Conference Venue

ISPS'2015 edition will be held at «La Maison de la Science» of the USTHB University, a new building dedicated to scientific events and activities.

#### Social Events

Guided tour of museums and attractions of Algiers.

#### Important Dates

##### Full paper submission deadline

25/01/2015

##### Notification of acceptance

01/03/2015

##### Camera-ready paper

18/03/2015

##### Registration

05/04/2015

Contact : [isps@usthb.dz](mailto:isps@usthb.dz)

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# Invited Speakers

- **Steffen STAAB**, «*Accessing Linked Open Data*», University of Koblenz-Landau, Germany.
- **Yannis MANOLOPOULOS**, «*Preference Queries*», University of Thessaloniki, Greece.
- **Michel RAYNAL**, «*Distributed Termination Detection*», IRISA, France.
- **Luis MARTINEZ**, «*Enriching Linguistic Modelling In Decision Making With Hesitant Fuzzy Linguistic Term Sets*», University of Jaen, Spain.
- **Yamine AIT AMEUR** from Toulouse University - France, will moderate a panel composed by experts around an important thematic. More details will be announced soon.

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