ewsn 2015

Call for Papers

The European Conference on Wireless Sensor Networks (EWSN) is a highly selective single-track international conference focused on publishing premier research results pertaining to networked sensing, broadly defined. The organizers of EWSN 2015, the twelfth meeting in this series, are pleased to announce an updated scope that combines the traditional focus of this conference with emphasis on recent and emerging directions in networked sensing. These new and emerging directions include (i) study of networked sensing in the broader context of larger cyber-physical systems and Internet of Things architectures, (ii) investigation of mobile and human-centric sensing, (iii) exploration of large-scale data and information processing challenges.

With that in mind, EWSN 2015 welcomes contributions describing original ideas, promising new concepts, and practical experiences (experimental validation, rebuttal, and/or comparison of existing approaches) that fall broadly in the following topics:

Wireless sensor networks and protocols:
- Communication and network protocols
- Information and signal processing
- Software engineering for wireless sensor networks
- Programming abstractions and tools
- Hardware design and implementation
- Sensor network operating systems and resource management
- Cognitive sensor networks

Sensor network applications and services: **updated!**
- Sensing in cyber-physical systems
- Internet of Things
- Cooperative object architectures
- Novel uses of sensor data, including healthcare, body area networks, vehicular applications, and smart buildings
- Localization and tracking services
- Security and fault tolerance
- Sensor network middleware
- Models, systems, and experiences with humans as sensors

Human-centric sensing: **new!**
- Crowd-sourcing/crowd-sensing challenges
- Mobile sensing
- Smart phone sensing applications
- Opportunistic, participatory, and social sensing

Big (sensor) data challenges: **new!**
- Large-scale information processing, learning, mining, and analysis of sensor data
- Challenges in sensor data stream processing
- Networked data fusion challenges
- Prototypes, testbeds, field experiments

Highlights

Extended Scope   **new!**
- EWSN 2015 will feature an updated scope, combining the traditional focus of this conference with emphasis on recent and emerging directions in networked sensing.

Updated Topics on Emerging Directions   **new!**
- In line with the extended scope, we are soliciting contributions to new and emerging directions, such as: Human-centric and big (sensor) data challenges.

New paper format   **new!**
- EWSN 2015 is introducing a smaller paper format for validated early ideas that can be described by a more concise contribution. We solicit two types of original submissions for oral presentation: full papers (16-pages) and short papers (8-pages).

Paper Submission

This highly selective conference will only accept for review original papers that have not been previously published and are not currently under review by any other conference or journal. We will adopt a double-blind review process, where the names of authors and their affiliations are unknown to reviewers until the end of the review process.
Conference proceedings will be published by Springer-Verlag in the Lecture Notes in Computer Science series (LNCS). Submissions should have a maximum of 16 pages (full papers) or 8 pages (short papers), including text, figures and references, and conform to the LNCS style (http://www.springer.com/lncs).

Important Dates

(tentative)
- Paper registration: 15-Sep-2014
- Paper submission: 22-Sep-2014
- Notification: 16-Nov-2014
- Camera Ready: 7-Dec-2014
- EWSN 2015:   9-Feb-2015

Organization

- *General Chair:*
  Eduardo Tovar, ISEP, Portugal.
- *Program Co-chairs:*
  Nuno Pereira, ISEP, Portugal;
  Tarek Abdelzaher, UIUC, USA