

Call for Contributions

Inform the Chair: with the Title of your Contribution

Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SMART+2017+Special>

Please select Track Preference as **COMOSA**

Special track

COMOSA: Context-aware Mobile Services and Applications

Chairs and Coordinators:

Prof. Dr. Martin Zimmermann, School of Computer Science/Lucerne University of Applied Sciences and Arts,
Switzerland

martin.zimmermann@hslu.ch

Prof. Dr. René Meier, School of Computer Science/Lucerne University of Applied Sciences and Arts,
Switzerland

rene.meier@hslu.ch

along with

SMART 2017, June 25 - 29, 2017- Venice, Italy

The Sixth International Conference on Smart Cities, Systems, Devices and Technologies

<http://www.iaria.org/conferences2017/SMART17.html>

Context awareness in mobile applications is the ability to detect and reason about real-life situation. The basic idea behind context aware mobile applications is to analyse relevant surrounding information and sensor data that add meaning to better understand what services a mobile user might be interested in, e.g. location-based services.

Especially in smart environments, context-awareness is becoming an essential feature of new services. It is a promising technique for developing mobile applications that are flexible, adaptable, and capable of acting autonomously on behalf of mobile users.

However, design and implementation of context-aware mobile applications is inherently complex: Gathering, evaluating and maintaining context information is expensive. Context-aware applications have to deal with a variety of context information sources that differ in their quality of information, update rate they produce and their semantic level. Build-in sensors observe a variety of physical information and provide fast access, while providing rather raw data, like location based information (e.g. GPS position or indoor position based on beacons) or network bandwidth information that has to be interpreted before being usable by mobile applications.

Due to the inherent complexity of context aware mobile applications adequate methods are required for the development of maintainable and evolvable applications, e.g. enhanced context models, new design patterns and frameworks. Other key issues are re-use of context information as well as sharing of context information between mobile applications.

Authors are invited to submit papers describing challenges and issues in topic areas such as:

- Context awareness in mobile systems

- Context frameworks
- Context-based assistance systems
- Context-aware architectures
- Self-adaptive mobile applications
- Mobile development tools and cross-platform solutions
- Location-based mobile applications and services
- Beacon enabled mobile applications
- Sensors and wearables

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~March 5~~ **May 17**
- Notification with comments for camera-ready: ~~April 5~~ **May 24**
- Registration: ~~April 20~~ **May 31**
- Camera ready: ~~May 12~~ **May 31**

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaria.org/registration.html>

Contact

Prof. Dr. Martin Zimmermann, School of Computer Science/Lucerne University of Applied Sciences and Arts, Switzerland martin.zimmermann@hslu.ch

Prof. Dr. René Meier, School of Computer Science/Lucerne University of Applied Sciences and Arts, Switzerland rene.meier@hslu.ch

Logistics: steve@iaria.org