2017 European Conference on Ambient Intelligence

Towards a Smart and Human-Centered Internet of Things

26-28 April 2017 - Málaga (Spain)

(http://ami2017.eu)

Call for Papers and Posters

The 2017 European Conference on Ambient Intelligence (AmI 2017) has a focus on the role of Ambient Intelligence “Towards a Smart and Human-Centered Internet of Things”. It will take place in Málaga, Spain, from 26-28 April 2017. We invite submission of full papers and posters presenting original research. AmI 2017 is an interdisciplinary venue for leading international researchers, designers, and practitioners that present and discuss new results in Ambient Intelligence. It builds on the success of thirteen predecessor conferences, which started in 2003 with the EUSAI-event in Veldhoven, The Netherlands. AmI 2017 will revolve around the focus topic “Towards a Smart and Human-Centred Internet of Things” that follows the vision of Calm Technology, where technology is useful but does not demand our full attention or interfere with our usual behavior and activities. Relevant topics include, but are not limited to:

**Enabling Technologies, Methods and Platforms**

Sensors and Actuators, Reliability and Quality of Sensor Data, Combination of Multiple Sensor Modalities, Indoor vs. Outdoor Tracking, Interactive and Smart Materials and Physical Computing, Modelling Context Awareness and Location-based Services, Machine Learning and Artificial Intelligence in Smart Environments, Ambient Intelligence Platforms and Multi-Agent System, Self-organization in Socially Aware Ambient Systems, Emergent and Collective Ambient Intelligence, Evaluation Methods and Techniques for Ambient Intelligence, Living Labs, Context Laboratories, and Experiential Landscapes

**Objectives and Approaches of Ambient Intelligence and Internet of Things**

Human-Centred Design of Ambient Intelligence Environments, Citizen-Centred Design and Civic Computing, User Requirements for Ambient Intelligence Environments, Security and Privacy as a core theme of Ambient Intelligence, Social Technologies and the Internet of Things, Impact of Ambient Intelligence and IoT on Society
From Information Design to Interaction and Experience Design

Multi-Modal/ Multi-Sensory Interaction, Tangible and Gesture-based Interaction, Implicit vs. Explicit Interaction, Symmetric Interaction in Real and Virtual worlds, Space-Time Dispersed Interaction, Crowd and Swarm-based Interaction

Application Areas of AmI and IoT

Industrial Internet - Industry 4.0, IoT and Logistics, Product Memory, Sustainability and Fair Trade, Smart Homes as opposed to Smart Houses, Ambient Assisted Living, Healthcare and Well-being, Personal Health and Tele-monitoring, Smart Cities and Smart Airports, Media façades and Urban Computing, Hybrid Cities, Connected Cars and Autonomous Driving, Pervasive Games in Hybrid Worlds, Immersive Entertainment Environments

Important Dates (Full Papers and Short Papers)

- Submission deadline: 23. December 2016
- Author notification: 17. February 2017
- Camera-ready deadline: 1. March 2017

Submission requirements

The papers must be anonymized to facilitate blind review. Authors are encouraged to minimize any references that may reveal the identity of the authors and their institutions. Relevant references to an author’s previous research should not be suppressed but instead referenced in a neutral way. Submissions will be accepted and managed using EasyChair (https://easychair.org/conferences/?conf=ami17). All papers will be reviewed by at least three Program Committee members.

Paper submissions should respect the maximum number of pages for each category (including figures and references). All accepted papers will appear in the conference proceedings published by Springer. All papers must be submitted in PDF format adhering to the Springer format provided. Confidentiality of submissions is maintained during the review process. After acceptance, a final, revised camera-ready version of the paper will be required in electronic form for the proceedings.

Full papers (max. 16 pages)

Full papers should report original work in the field of Ambient Intelligence targeting any of the featured conference themes. Papers should clearly state contribution(s) in the paper and the abstract. Papers making one clear, significant contribution are more likely to be accepted than papers making several lesser contributions. Papers must identify and cite relevant published work and explain how the paper furthers state of the art within the field of Ambient Intelligence. Full paper submissions must not exceed 16 pages in length including references. Full papers must be presented at the conference in order to be included in the proceedings.

Short papers (6 pages)

Short papers should report original work addressing one of the featured conference themes. Compared to full papers, short papers can be more exploratory and preliminary in nature, provide only a brief summary of related work, but present a concrete contribution of a narrower and specific scope. Short papers must identify and cite briefly relevant
published work and explain how it furthers state of the art. Short papers are submitted as notes that must not exceed 4 pages including references. Short papers will also be presented as posters at the conference including a short pitch presentation.

Best Paper Awards and Selected Contributions
The best paper and best poster will be presented with an award and certificate during the conference. A volume with extended versions of selected papers presented at Aml 2017 will be published by Springer in the JCR-indexed Journal of Ambient Intelligence and Humanized Computing.

Formatting and submission guidelines
Paper submissions for all categories should follow the Springer guidelines for Proceedings. Final camera-ready versions must be accompanied by a signed copyright form. Authors of full and short papers are welcome to submit using the conference review system.

Organizing committee
- Program Co-Chairs:
  - Andreas Braun, Fraunhofer Institute for Computer Graphics Research IGD & Fraunhofer Ambient Assisted Living Alliance, Germany
  - Reiner Wichert, Center for Research in Security and Privacy CRISP, Germany
- General Chair: Antonio Maña, Universidad de Málaga & Safe Society Labs, Spain
- Honorary Chair: Norbert Streitz, Smart Future Initiative, Germany
- Local Organization Chair: Hristo Koshutanski, Univ. de Málaga & Safe Society Labs, Spain

Program committee
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- Kristian Klöckl, Northeastern University, Boston, USA
- Shin’ichi Konomi, University of Tokyo, Japan
- Vassilis Kostakos, University of Oulu, Finland
- Ben Kröse, University of Amsterdam, the Netherlands
- Kristof van Laerhoven, Freiburg University
- Panos Markopoulos, TU Eindhoven, the Netherlands
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- John M. O’Donoghue, Imperial College, United Kingdom
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- Gottfried Zimmermann, Stuttgart Media University, Germany