



iEMSSs 2008 – Workshop Call for Participation & Papers

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A *Workshop* on “*Creating robust sensor networks- architecture and infrastructure*” is being organised within the *International Congress on Environmental Modelling and Software* (4th Biennial Meeting of the International Environmental Modelling and Software Society, iEMSSs2008), July 6-10, 2008. Campus Nord, Technical University of Catalonia, Barcelona, Catalonia (<http://www.iemss.org/iemss2008/>). The conference is organized by iEMSSs (International Environmental Modelling and Software Society) and supported by ISESS (International Symposium on Environmental Software Systems; www.isses.org).

We address you as a possible contributor to the workshop on “*Creating robust sensor networks- architecture and infrastructure*” within the main Conference.

Aims and Scope

Workshops are designed to inspire and foster discussions on most important topics within the field. These workshops follow the innovative track of thematic workshops started in iEMSSs 2006. Workshop organisers intend to develop a position-paper on the special topic of the workshop exploring opportunities, challenges, solving techniques and/or methods, validation procedures and applications. The Workshop’ position-paper will be reviewed in order to make appropriate comments and suggestions by the scientific committee of the congress. The Position paper will be available on-line in advance to let workshop participants to react on the main ideas behind workshop’s theme.

Description of the workshop & topics of interest

Significant uncontrolled development in sensor devices, -protocols and –networks is occurring in the areas of air and water quality monitoring and management, with a focus also on impacts on health and human exposure. It is well accepted that monitoring of our planet is done by sensors put into the orbit. However, for surface monitoring we lack the interconnectivity of both in-situ and remote sensing devices to properly monitor systems and link to interoperable information systems. One reason for this is the lack of a sensor network infrastructure generic enough to support this interoperability and interconnectivity.

This workshop will explore aspects of creating robust sensor networks and further develop architectures and infrastructure to support this by taking into account topics like interoperability, self-organisation, network management and sensor network architectures. We encourage you to send us your positions (position papers and abstracts) directly addressing above topics or significantly related to the field of sensor networks.

Instructions for authors

Workshop organisers (and others who want to be actively involved into the workshop) will produce, by December 15, 2007, a 'position-paper' (18 pages at most) on the special topic/s of the workshop. Workshops’ position-papers are reviewed in order to make appropriate comments and suggestions by the scientific committee of the congress. Position papers will be available on-line by January 1st, 2008 in advance to let workshop participants to react on the main ideas behind workshop’s theme/s.

Workshop participants planning an abstract submission should contact workshop organisers to indicate interest after workshop organisers have elaborated and posted the position paper. Please send an email to the workshop contact: **Gerald Schimak** <gerald.schimak@arcs.ac.at> and provide a provisional title if possible.



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Workshop participants should send their abstracts (three pages at most) by January 27, 2008, for a reviewing process managed by workshop organisers.

See the format for abstracts and position-papers in the Format For Contributions section of the website, at <http://www.iemss.org/iemss2008/>

Workshop Structure

In order to devote ample time to discussion, and not to convert them in standard sessions, workshops will be divided in, at least, two time slots: one for presentations and another one for discussion.

The aim of the presentation slot is that organisers expose main key ideas behind their position paper (10-15 minutes), and that participants with accepted abstract expose their opinions and complementary points of view about the workshop's topics and/or their main comments on the position paper (5-10 minutes each one).

The aim of the discussion slot is to foster generalised discussion about the ideas shallowly described in the presentation slot.

Publications arising from the workshop

All accepted abstracts and the position paper will be published in the electronic proceedings of the iEMSSs 2008 congress (with ISBN).

The final outcome of the workshop will be an updated position paper incorporating the ideas and discussion generated by the workshops. This paper will be submitted to an appropriate scientific journal for publication after the requisite review period. The "active" participants in the workshop will be included as co-authors in this proposed journal submission.

Registration

Final accepted workshop participants must register for the iEMSSs 2008 Congress to be able to attend the workshop. Remember that a cheaper rate will apply for registrations before March 31st, 2008.

IMPORTANT DATES for the workshop

Deadline for submission of workshop position papers:	December 15, 2007
Notification of workshop position papers comments:	December 31, 2007
On-line publication of workshop position papers:	January 1, 2008
Deadline for submission of workshop abstracts:	January 27, 2008
Notification of workshop abstracts acceptance:	February 17, 2008
On-line discussions and work:	February-July, 2008
Early conference registration:	March 31, 2008
Final revised camera-ready abstracts and position papers:	April 30, 2008
Workshop at iEMSSs 2008:	July 7-10, 2008

Workshop Organising Committee

Gerald Schimak, Austrian Research Center GmbH – ARC (gerald.schimak@arcs.ac.at)

Robert Argent, The University of Melbourne, Australia

Nigel W.T. Quinn, Lawrence Berkeley National Laboratory, California, USA

Denis Havlik, Austrian Research Centers GmbH – ARC, Austria

Thomas Usländer, Fraunhofer IITB, Germany