



# 1<sup>st</sup> OMNeT++ Community Summit 2014

Hamburg, Germany – September 2nd, 2014

## CALL FOR CONTRIBUTIONS

<http://summit.omnetpp.org>

OMNeT++ is a public-source, component-based, modular and open-architecture simulation environment with strong GUI support and an embeddable simulation kernel. It is designed to simulate discrete event systems, but the primary application area is the simulation of communication networks.

After six successful editions of the *International Workshop on OMNeT++*, we decided to change the workshop format to allow for less costs, more interaction between the participants, and more coding on-site. The successor of the International Workshop on OMNeT++ is the **OMNeT++ Community Summit**. The OMNeT++ Community Summit provides a forum for discussions on recent developments and novel ideas in the broad area of network simulation and modeling, with a focus on the OMNeT++ simulation environment.

The summit brings together developers and researchers to discuss applications and ideas on the important topics of integrating simulation models, coupling different simulation tools and providing more accurate and more efficient modeling approaches.

Topics of interest include, but are not limited to:

- Design, evaluation, & validation of simulation models
- Comparison with other simulation / emulation tools
- Parallel simulation and simulation control
- Integration of hardware-specific code
- Simulative approaches to performance evaluation
- Cross-layer protocol design methodologies
- Simulation credibility and validation
- Use of discrete event simulation in other domains
- Integration with other simulation tools
- Result interpretation and analysis
- Modeling techniques, including stochastic and hybrid modeling
- Simulation in the loop
- Industrial applications

### SUBMISSION and PARTICIPATION

We invite the submission of **2-page abstracts** targeting ongoing and finalized research questions, introducing novel simulation techniques, or addressing questions of accurate and efficient modeling for simulation. Further we encourage proposals for tutorials, coding sessions, discussion panels, etc.

All submissions to the summit should be of interest to the OMNeT++ community. We welcome case-studies that employ OMNeT++ in the evaluation of new systems as well as contributions addressing general questions of simulation using OMNeT++. For model-centric submissions we encourage the author(s) to publicize source code at the time of submission.

All submissions will be checked by the organizers. Individual contributions will be invited to be presented as oral presentations, posters, demos, tutorials or panels, depending on their expected interest for the community.

Submissions should be prepared in the ACM conference proceedings format. Detailed instructions, together with format files, are available on the website: <http://summit.omnetpp.org>

Submissions that are accepted and presented at the summit will appear in the proceedings. The proceedings will be published as a technical report via **arXiv** and the OMNeT++ website. Copyrights will remain with the authors. This allows publication of revised versions at other venues.

The OMNeT++ Community Summit is sponsored. Registration fees will not be applied.

### DATES and DEADLINES

<b>Abstract Submission:</b> July 11 <sup>th</sup> , 2014	<b>Camera-Ready:</b> August 24 <sup>th</sup> , 2014
<b>Author Notification:</b> July 25 <sup>th</sup> , 2014	<b>Summit Date:</b> September 2 <sup>nd</sup> , 2014

### ORGANIZERS

Summit Organizers	Technical Program Organizers	Publicity Organizers
Matthias Wählisch, Till Steinbach (FU Berlin, HAW Hamburg)	Anna Förster, Christoph Sommer (Networking Lab/SUPSI, University of Paderborn)	Kyeong Soo Kim, Michael Kirsche (Xi'an Jiaotong-Liverpool Univ. (XJTLU), BTU Cottbus - Senftenberg)