



3rd OMNeT++ Community Summit 2016

Brno University of Technology, Czech Republic – September 15-16, 2016

CALL FOR CONTRIBUTIONS

<http://summit.omnetpp.org/2016>

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 and systems.

The **OMNeT++ Community Summit** is the successor of the *International Workshop on OMNeT++*. After two very successful summits in Hamburg and Zurich, we continue on the path of holding an open community meeting with space for tutorials, discussions and coding sessions as well as presentations on recent developments and novel ideas in the broad area of network simulation and modeling, with a focus on the OMNeT++ simulation framework.

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

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 and practical use cases

SUBMISSION and PARTICIPATION

We invite researchers and users alike to submit one or more of the following *contribution types*:

- **Abstracts (max. 4 pages)** targeting ongoing and finalized research questions, introducing novel simulation techniques or new simulation models, and addressing questions of accurate and efficient simulation modeling.
- **Proposals for tutorials or demonstrations (max. 4 pages)** on existing or new simulation models or frameworks, modeling techniques, OMNeT++ functionalities, and case studies.

All submissions 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 ask the author(s) to publicize source code at the time of submission.

Submissions will be checked by the technical program committee and the organizers. Individual contributions will be invited to be presented as oral presentations, demos, tutorials or panels, depending on the submission type and their expected interest for the OMNeT++ community. We will provide poster presentation slots for all interested participants.

Proposals for coding sessions, discussion panels and other *interactive community activities* can be announced individually to the summit organizers [via email](#).

Submissions should be prepared in the IEEE conference proceedings format. Detailed instructions, together with format files, are available on the website: <https://summit.omnetpp.org/2016/>

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 solely with the authors. This allows for a publication of revised versions at other venues.

The OMNeT++ Community Summit is sponsored and free to attend by everyone. Registration fees will not be applied.

DATES and DEADLINES

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| Submission Deadline: | July 10 th , 2016 | Camera-Ready: | August 29 nd , 2016 |
| Author Notification: | August 9 th , 2016 | Summit Dates: | September 15 th – 16 th , 2016 |

ORGANIZERS

| Summit Organizers | Technical Program Organizers | Publicity Organizer |
|--|--|--|
| Anna Förster, Vladimír Veselý (Univ. of Bremen, Brno Univ. of Technology) | Antonio Viridis, Michael Kirsche (Univ. of Pisa, BTU Cottbus–Senftenberg) | Kyeong Soo Kim, Laura Marie Feeny (Xi'an Jiaotong–Liverpool Univ., Uppsala Univ.) |