



# 4<sup>th</sup> OMNeT++ Community Summit 2017

University of Bremen, Germany – September 7-8, 2017

## CALL FOR CONTRIBUTIONS

<http://summit.omnetpp.org/2017>

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 diverse discrete event-based systems.

The **OMNeT++ Community Summit** is an open meeting with space for tutorials, discussions, coding sessions as well as presentations on recent developments and novel ideas in the broad area of modeling and simulation, with a focus on the OMNeT++ simulation framework. The OMNeT++ summit unites users, developers, and researchers to discuss applications, developments, and ideas on the 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 **three contribution types**:

- Full papers (max. 4 pages)** are research papers that describe ongoing work or finalized results. Full papers that are accepted and presented at the summit will appear in the summit proceedings and be submitted to arXiv.
- Short abstracts (max. 1 page)** provide an overview of a proposed presentation or demo. Authors may find this format suitable for design proposals, for preliminary or more narrowly focused work, for case studies, or to highlight OMNeT++-related results in work that has been published elsewhere. Short abstracts will be invited as either a presentation or a poster and will be included in the summit proceedings.
- Proposals for tutorials, demonstrations, coding sessions, discussion panels,** and other **interactive community activities** can be submitted [via e-mail to the organizers](mailto:summit@omnetpp.org).

All submissions should be of interest to the OMNeT++ community. We welcome case studies that employ OMNeT++ in the evaluation of systems as well as contributions addressing general questions of OMNeT++-based simulations. 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 as oral presentations, demos, tutorials or panels, depending on the submission type and the expected interest for the OMNeT++ community. We will provide poster presentation slots for all interested participants.

Full papers and short abstracts should be prepared with the IEEE conference proceedings template (A4 page size, conference mode). Detailed instructions are available on the summit website: <http://summit.omnetpp.org/2017/>

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

<b>Submission Deadline:</b>	June 30 <sup>th</sup> , 2017	<b>Camera-Ready:</b>	August 21 <sup>st</sup> , 2017
<b>Author Notification:</b>	August 01 <sup>st</sup> , 2017	<b>Summit Dates:</b>	September 7 <sup>th</sup> – 8 <sup>th</sup> , 2017

### ORGANIZERS

#### Technical Program Organizers

Antonio Viridis, Michael Kirsche  
(Univ. of Pisa, BTU Cottbus–Senftenberg)

#### Summit Organizers

Anna Förster, Asanga Udugama, Andreas Könngen  
(Univ. of Bremen)

#### Publicity Organizers

Kyeong Soo Kim, Vladimír Veselý  
(Xi'an Jiaotong–Liverpool Univ., Brno Univ)