



# OMNeT++ 2011

[www.omnet-workshop.org](http://www.omnet-workshop.org)

Barcelona, Spain, March 21, 2011

## 4<sup>th</sup> International OMNeT++ Workshop

held in conjunction with SIMUTools 2011, <http://www.simutools.org>

### Founding Chair:

*Andras Varga*, Simulcraft Inc.

### Workshop Co-Chairs:

*Anna Förster*, SUPSI

*Andreas Lewandowski*, TU Dortmund

### TPC Co-chairs:

*Juan-Carlos Maureira*, INRIA

*Jérôme Rousselot*, CSEM

*Christoph Sommer*, Univ. Erlangen

### Publicity co-chair:

*Thomas Dreiholz*, Univ. of Duisburg

*Laura Marie Feeney*, SICS Sweden

*Christian Müller*, TU Dortmund

### Program committee:

TBA

### Important Dates:

#### Full paper submission:

November 15th, 2010

#### Notification of acceptance:

January 6th, 2011

#### Camera-Ready version:

January 31th, 2011

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.

The continuing goal of this workshop is to bring together OMNeT++ developers and their tools, applications and ideas. It provides a forum for presentations of recent developments and novel ideas in the broad area of network simulation, with focus on OMNeT++ and 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:

- Evaluation and validation of simulation models
- Comparison with other simulation/emulation tools
- Parallel simulation and simulation control
- Integration of hardware-specific code
- Simulation in the loop
- Cross-layer protocol design methodologies
- Integration with other simulation tools
- Result interpretation and analysis
- Debugging
- Simulation of communication networks
- Industrial applications
- Use of OMNeT++ in other domains

This year, three types of submissions are possible for the authors:

- Full papers (max. 8 pages)
- Short papers (max. 4 pages)
- Code contributions (max. 2 pages) **NEW**

The first two types of submissions, **full** and **short** papers should be prepared in ACM conference proceedings format. OMNeT++ should play a key role as a tool to evaluate and study new systems, or to answer open research questions, or to provide novel simulation techniques. The papers that are accepted and presented at the workshop will appear in CD proceedings, in the ACM DL, and in EU-DL, along with the SimuTools 2011 proceedings. Selected papers will be considered for publication in a special issue of Simulation: Transactions of The Society for Modeling and Simulation, International.

For the third type of submission, developers are encouraged to contribute extended abstracts of up to 2 pages describing new **code contributions** to OMNeT++ or model frameworks. The source code and a user manual should be submitted together with the extended abstract. Code contributions abstracts will be presented as posters at the workshop and will be made available to all participants and on the OMNeT++ website and download area. Please note that this type of submission will not be included in the ACM Digital Library, nor will it be indexed. However, if the contribution is of significant scientific value, authors are encouraged to submit it as a short paper instead.

Detailed submission instructions, together with format files, are available on the website:

[www.omnet-workshop.org](http://www.omnet-workshop.org)

