



# OMNeT++ 2012

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

Desenzano, Italy, March 23, 2012

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

held in conjunction with SIMUTools 2012, <http://www.simutools.org>

### Founding Chair:

*Andras Varga, Simulcraft Inc.*

### Workshop Co-Chairs:

*Laura Marie Feeney, SICS Sweden*  
*Anna Förster, SUPSI Switzerland*

### TPC Co-Chairs:

*Athanassios Boulis, NICTA Australia*  
*Andreas Lewandowski, TU Dortmund*

### Publicity Co-Chair:

*Christian Müller, TU Dortmund*  
*Till Steinbach, HAW Hamburg*

### Program committee:

*Alfonso Ariza, University of Malaga*  
*Ingmar Baumgart, KIT*  
*Athanassios Boulis, NICTA*  
*Bart Braem, University of Antwerp*  
*Bogdan Ciubotaru, Dublin University*  
*Laura Marie Feeney, SICS*  
*Federico Ferrari, ETH Zurich*  
*Anna Förster, NetLab, SUPSI*  
*Patrick Haeflinger, Alcatel-Lucent*  
*Olafur Helgason, KTH*  
*Andreas Lewandowski, TU Dortmund*  
*Juan Carlos Maureira, Chile University*  
*Christian Müller, TU Dortmund*  
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*Yuri Tselishchev, NICTA*  
*Klaus Wehrle, RWTH Aachen*  
*Lars Wischhof, Audi Electronics*  
*Matthias Wählisch, University of Berlin*  
*Zarrar Yousaf, NEC Research Labs*

### Important Dates:

#### Full paper submission:

December 9th, 2011

#### Notification of acceptance:

January 15th, 2012

#### Camera-Ready version:

February 15th, 2012

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 of communication networks
- Cross-layer protocol design methodologies
- Integration with other simulation tools
- Result interpretation and analysis
- Modeling techniques
- Simulation in the loop
- 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)

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 Digital Library (DL), and in EU-DL, along with the SimuTools 2012 proceedings.

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. Please note that this type of submission will not be included in the ACM DL, 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. However, the TPC will provide reviews and feedback on poster abstracts and the poster session will be an excellent opportunity to highlight your work in the OMNeT++ community.

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

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

