



5th International Workshop on OMNeT++

co-located with SIMUTools 2012.

Desenzano, Italy, March 23th, 2012



Technical Program

8:15 - 8:30

Introduction to the 5th International OMNeT Workshop

8:30 – 10:00

Session 1 (3 Presentations)

Chair: Andreas Lewandowski

Stefan Unterschütz, Andreas Weigel and Volker Turau
Cross-Platform Protocol Development Based on OMNeT++
(30mins)

Philipp Reinecke and Gabor Horvath
Phase-type Distributions for Realistic Modelling in Discrete-Event Simulation (30mins)

Vladimir Vesely, Petr Matousek and Miroslav Sveda
Multicast Simulation and Modeling in OMNeT++ (20mins)

10:00 - 10:30

Coffee Break

10:30 - 12:00

Session 2 (3 Presentations)

Chair: Laura Marie Feeney

Robert Birke, German Rodriguez and Cyriel Minkenberg
Towards Massively Parallel Simulations of Massively Parallel High-Performance Computing Systems (30mins)

Dominik Klein, Michael Hoefling, Matthias Hartmann and Michael Menth
Integrating LISP and LISP-MN into INET (30mins)

Elisha Abade, Katsuhiko Kaji and Nobuo Kawaguchi
QS-XCAST: A QoS Aware XCAST Implementation (20mins)

12:00 - 14:00

Lunch Break

14:00 - 14:45 **Evolution of INET** (Andras Varga)

14:45 - 15:30 **Code Contributions (Pitch Presentations)**
Chair: Christian Müller

Alfonso Ariza, Eduardo Casilari and Javier Hurtado
An Integrated OMNeT++ Implementation of 802.11 High-Performance Computing Systems (6mins)

Georg Kunz, Simon Tenbusch, James Gross and Klaus Wehrle
Extending the OMNeT++ Sequence Chart for Supporting Parallel Simulations in Horizon (6mins)

David Eckhoff and Christoph Sommer
A Multi-Channel IEEE 1609.4 and 802.11p EDCA Model for the Veins Framework (6mins)

Alfonso Ariza, Eduardo Casilari and Javier Hurtado
An Implementation in OMNeT++ of Linux Rules for IP Routing (6mins)

15:30 - 16:00 **Coffee Break and Poster Session**

16:00 - 17:30 **Session 3** (3 Presentations)
Chair: Andras Varga

Kristjan Jonsson, Ymir Vigfusson and Olafur Ragnar Helgason
Simulating Large-scale Dynamic Random Graphs in OMNeT++ (30mins)

Javier Juárez, Carlos Rodríguez-Morcillo and José Antonio Rodríguez-Mondéjar
Simulation of IEC 61850-based substations under OMNET++ (30mins)

Christian Müller, Hanno Georg and Christian Wietfeld
A Modularized and Distributed Simulation Environment for Scalability Analysis of Smart Grid ICT Infrastructures (20mins)

17:30 - 18:00 **Closing and final discussion**

19:00-open end **Community Dinner**