4th International Workshop on OMNeT++
co-located with SIMUTools 2011.

Barcelona, Spain, March 21th, 2011

Technical Program

9:00 - 9:10	**Welcome**
9:10 – 11:00	**Session 1** (3 Papers)

> **Georg Kunz, Mirko Stoffers, James Gross and Klaus Wehrle**
> *Runtime Efficient Event Scheduling in Multi-threaded Network Simulation* (35mins)

> **Jan Kriege and Peter Buchholz**
> *Simulating Stochastic Processes with OMNeT++* (35mins)

> **Till Steinbach, Hermand Dieumo Kenfack, Franz Korf and Thomas Schmidt**
> *An Extension of the OMNeT++ INET Framework for Simulating Real-time Ethernet with High Accuracy* (35mins)

11:00 - 11:30	**Coffee Break**
11:30 - 12:45	**Session 2** (2 Papers)

> **Sébastien D'hondt, Bart Scheers and Vincent Le Nir**
> *Implementation of Dynamic Spectrum Allocation for Cognitive Radio Networks based on Iterative Water Filling in OMNeT++/MiXiM* (35mins)

> **Ernst Gunnar Gran and Sven-Arne Reinemo**
> *InfiniBand Congestion Control, Modelling and validation* (35mins)

12:45 - 14:15	**Lunch Break**
14:15 - 15:30	**OMNeT++ 4.2** (Andras Varga)
15:30 - 16:00	**Poster Session Kick-off**

> **Olafur Helgason, Sylvia Kouyoumdjieva and Gunnar Karlsson**
> *Enabling Multi-Radio Nodes in OMNeT++* (10mins)

> **Christoph Mayer, Christian Huebsch, Ingmar Baumgart and**

Thomas Gamer
Realistic Underlays for Overlay Simulation (10mins)

Holger Kellerbauer and Holger Hirsch
Simulation of Powerline Communication with OMNeT++ in (static) Smart Grids (10mins)

16:00 - 16:20	**Code Contributions**

Anna Förster
Implementation of the B-MAC Protocol for WSN in MiXiM (5mins)

Kyeong Soo Kim
Integration of OMNeT++ Hybrid TDM/WDM-PON Models into INET Framework (5mins)

Pantelis Stampoulis and Panayotis Fouliras
RTP Simulation under OMNeT++: Problems and Solutions (5mins)

Laura Marie Feeney
Two simple tools for testing wireless communication modules in OMNeT++ (5mins)

16:20 - 17:30	**Poster Session**
17:30 - 18:30	**Discussion/Hands on**
20:00	**Community Dinner**