

Workshop SimLab@KIT, November 29-30, 2010

Programme for session “Energy”

Date: November 29, 2010

Venue: Campus South, Main Auditorium (Audimax), Seminar Room: B, Building 30.95.

Session Chair:

Ulrich Fischer, Institute for Neutron Physics and Reactor Technology (INR),
Karlsruhe Institute of Technology.

Time	Speaker	Affiliation	Title
14:45 – 15:15	Arkady Serikov	Institute for Neutron Physics and Reactor Technology (INR), KIT	High performance computation of Monte Carlo radiation transport in fusion neutronics
15:15 – 15:45	Martin Wörner	Institute for Nuclear and Energy Technologies (IKET), KIT	Numerical investigations of gas-liquid flows in mini-channels for applications in chemical process engineering
15:45 – 16:15	Chandramowli Subramanian	Engineering Mathematics and Computing Lab (EMCL), KIT	Inherent acceleration capability of domain-decomposition applied to neutronics calculations
16:15 – 16:45	Daniela Piccioni Koch	Steinbuch Centre for Computing (SCC), KIT	Recent developments of the GASFLOW CFD code
16:45 – 17:15	Aleksandar Ivanov	Institute of Neutron Physics and Reactor Technology (INR), KIT	Development of a coupling scheme between MCNP5 and SUBCHANFLOW for the pin- and fuel assembly-wise simulation of LWR and innovative reactors