

Dortmund, 22. Juli 2015

EINLADUNG

Im Rahmen des Kolloquiums der Fakultät für Informatik wird

Dmitry Zaitsev
International Humanitarian University, Odessa, Ukraine

einen Vortrag halten mit dem Titel

Petri Nets for Manufacture, Networking, and Computing

ORT: OH14/104
ZEIT: Dienstag, 28. Juli 2015, 14:00 Uhr

ZUSAMMENFASSUNG:

The presentation includes selected topics of a video-lecture recently recorded by IGI-Global, USA. It reveals practical aspects of Petri nets with multichannel transitions and clans of Petri nets application in manufacture and networking. Correctness and efficiency of networks are reflected in two basic directions of research: verification of protocols and performance evaluation of networks. Composition of Petri net clans allows the considerable speed-up of big models analysis. Colored Petri nets are convenient tool for design and performance evaluation of networking technologies. Application of Petri nets with multichannel transitions allowed the building of universal Petri (Sleptsov) net which runs in polynomial time. A universal Petri net is a prototype of a processor in the paradigm of Petri net computing which promises hyper-performance on the expense of mass-parallelism.

**ZU DIESEN VORTRÄGEN LADEN HERZLICH EIN
DIE DOZENTEN DER FAKULTÄT FÜR INFORMATIK**