



Call for Papers

20th ITC Specialist Seminar on Network Virtualization – Concept and Performance Aspects

18.-20. May 2009

Swiss-Belhotel Golden Sand Resort, Hoi An, Viet Nam

<http://www.itcspecialistseminar.com/itcss20/>

AIMS AND TOPICS

Network virtualization is the technology that allows the simultaneous operation of multiple logical networks (also known as overlays) on a single physical platform. *Network virtualization* permits distributed participants to create almost instantly their own network with application-specific naming, routing, and resource management mechanisms such as *server virtualization* enables users to use even a whole computing center arbitrarily as their own personal computer. Recently, network virtualization received tremendous attention since it is expected to be one of the major paradigms for the future Internet as proposed by numerous international initiatives on future networks, e.g. PlanetLab (USA, International), GENI (USA), AKARI (JAPAN), OneLab2 (Europe), and G-Lab (Germany).

A major objective of this ITC Specialist Seminar is to identify early and future performance issues and to provide methodologies and mechanisms to address the various aspects of performance in network virtualization. The seminar is intended as a forum for scientists and engineers in academia and industry to exchange and discuss their latest experiences, and research results. It will address techniques, architectures, performance models, and performance engineering methods leading to real world network virtualization solutions that provide users with efficient techniques for creating and operating their own high performance virtual network.

Topics of interest are amongst others, but not limited to:

- Performance issues of virtualization techniques on routers and end hosts
- Performance issues of bandwidth and resource virtualization techniques
- Performance issues of overlays for future network architectures
- Performance of virtualized transport mechanisms
- Performance of virtualized services and virtualized applications
- Virtual test labs and network federations

KEYNOTES AND INVITED TALKS

The organizers of the seminar are proud to announce the following keynote and invited speakers:

- Keynote: Prof. H. Kobayashi (Sherman Fairchild University Professor Emeritus of Electrical Engineering and Computer Science and former Dean of the School of Engineering and Applied Science (SEAS), Princeton University, USA)
- Invited Talk: Prof. A. Nakao (Head of the Network Virtualization Laboratory of NICT, Japan and Associate Professor at the Graduate School of Interdisciplinary Information Studies, The University of Tokyo)

IMPORTANT DATES

Submission deadline: December 15, 2008

Acceptance notification: January 31, 2009

Camera ready: February 20, 2009

PUBLICATION

All papers will be published in the workshop proceedings. In addition, selected papers will be invited for publication as an extended version in a special issue on "Network Virtualization" of the International Journal of Communication Networks and Distributed Systems (IJCNDS, <http://www.inderscience.com/ijcnlds>).

PROGRAM COMMITTEE

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- Phuoc Tran-Gia, University of Wuerzburg, Germany

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- Joachim Charzinski, Nokia Siemens Networks, Germany
- Omar Cherkaoui, University of Quebec in Montreal, Canada
- Nguyen Dai Tho, College of Technology, Ha Noi National University, Viet Nam
- Serge Fdida, Universite Pierre & Marie Curie, France
- Markus Fiedler, Blekinge Tekniska Högskola, Sweden
- Carmelita Görg, University of Bremen, Germany
- JongWon Kim, Gwangju Institute of Science and Technology, Korea
- Ulf Koerner, Lund University, Sweden
- Daniel Kofman, ENST/INFRES/RHD, France
- Paul Kuehn, University of Stuttgart, Germany
- Kenji Leibnitz, Osaka University, Japan
- Laurent Mathy, Lancaster University, United Kingdom
- Deep Medhi, University of Missouri - Kansas City, USA
- Michael Menth, University of Wuerzburg, Germany
- Masayuki Murata, Osaka University, Japan
- Akihiro Nakao, The University of Tokyo/NICT, Japan
- Nguyen Ngoc Binh, College of Technology, Viet Nam
- Guy Pujolle, LIP6, France
- Dario Rossi, ENST Telecom Paris, France
- Hiroshi Saito, NTT, Japan
- Moshe Sidi, Technion, Israel
- Ralf Steinmetz, University of Darmstadt, Germany
- Martin Stiemerling, NEC, Germany
- Pascale Vicat-Blanc Primet, Inria, France

Local Organization Chairs

- Nguyen Tien Dzung, Ha Noi University of Technology, Viet Nam
- Nguyen Huu Thanh, Ha Noi University of Technology, Viet Nam
- Vu Duy Loi, College of Technology, Viet Nam
- Nguyen Ngoc Hien, College of Technology, Ha Noi National University, Viet Nam
- Doan Minh Phuong, College of Technology, Ha Noi National University, Viet Nam
- Duong Ba Hong Thuan, Ha Noi University of Technology, Viet Nam
- Nguyen Huyen Trang, Ha Noi University of Technology, Viet Nam