

2nd GI/ITG KuVS Workshop on The Future Internet

11. November 2008 in Karlsruhe, Germany

Overview

The topic "Future Internet" is widely attracting attention. Triggered by FIND/ GENI activities of the NSF now both the EU in the 7th Framework as well as the BMBF in its IT strategy for 2020 have addressed this topic. Still, discussions mainly take place in the research environment and have to get carried into the industry. The workshop topic covers a wide area and ranges from the incremental improvement of today's Internet to a complete fresh start (clean slate approach).

Aim of 2nd GI/ITG Kommunikation und Verteilte Systeme (KuVS) Workshop on Future Internet is to give scientists the opportunity to present their work and ideas in this area and strengthen cooperation.

- Clean slate architectures
- Scalable routing
- Content-based routing
- Routing mediation (pub/sub)
- Separating of identity and address (locator/ID split)
- Cross-layer design, cross-layer optimization
- Predictable QoS and real QoS differentiation
- Next generation transport, e.g., carrier grade ethernet
- Energy efficiency (green ICT)
- Network management and control plane

The workshop will take place at Schloss Karlsruhe and is organized by the [Institute of Telematics](#), Universität Karlsruhe (TH).

Tuesday, 11. November 2008

Gartensaal, Schloss Karlsruhe, Karlsruhe, Germany

Technical Program

10:00 - 10:15	Greeting and Overview Martina Zitterbart (Uni Karlsruhe (TH))
10:15 - 10:45	<i>Towards the Future Internet – An Overview of Challenges and Solutions in Research and Standardization</i> Thomas Dreibholz, Erwin P. Rathgeb (Uni Duisburg-Essen)
10:45 - 11:15	<i>A DHT-inspired clean-slate approach for the Next Generation Internet</i> Oliver Hanka, Christoph Spleiß, Gerald Kunzmann, Jörg Eberspächer (TU München)
Break	
11:30 - 12:00	Invited Talk: <i>The in-network management approach in 4WARD</i> Marcus Brunner (NEC Laboratories Europe)
12:00 - 12:30	Live Demo: <i>SpoVNet Project Demonstrator (Spontaneous Virtual Networks)</i> Christian Hübsch, Christoph P. Mayer, Sebastian Mies, Oliver P. Waldhorst (Uni Karlsruhe(TH))
Lunch	
13:30 - 14:00	<i>Virtualized Networks based on System Virtualization</i>

	Andreas Fischer, Andreas Berl, Hermann de Meer (Uni Passau)
14:00 - 14:30	<i>An Architecture for Concurrent Future Networks</i> Lars Völker, Denis Martin, Ibtissam El Khayat, Christoph Werle, Martina Zitterbart (Uni Karlsruhe (TH), Ericsson)
Break	
14:45 - 15:15	<i>A Generalized Label-Forwarding Architecture for the Future Internet</i> Achim Friedland (TU Ilmenau)
15:15 - 15:45	<i>Quality of Experience Driven Cross-Layer Optimization for the Future Mobile Internet</i> Wolfgang Kellerer, Srisakul Thakolsri, Shoaib Khan, Eckehard Steinbach (DoCoMo Labs)
15:45 - 16:00	Closing / Wrap-Up / Next Steps

Organization

Martina Zitterbart (co-chair)
 Roland Bless (co-chair)
 Oliver P. Waldhorst (co-chair)
 Christoph P. Mayer (local organization)

Program Committee

Torsten Braun, Universität Bern
 Jörg Eberspächer, TU München
 Georg Carle, Universität Tübingen
 Markus Fidler, TU Darmstadt
 Wolfgang Kellerer, DoCoMo Labs
 Paul Müller, TU Kaiserslautern
 Jürgen Quittek, NEC Heidelberg
 Ralf Steinmetz, TU Darmstadt
 Burkhard Stiller, Universität Zürich
 Heiner Stüttgen, NEC Heidelberg
 Phuoc Tran-Gia, Universität Würzburg
 Lars Wolf, TU Braunschweig

Important Dates

Extended Submission Deadline	30. October 2008
Notification of Acceptance	03. November 2008
Registration Deadline	6. November 2008
Workshop	11. November 2008

Presentations are 20min + 10min discussion. ~~For submission send a short paper of 2 to 3 pages to mayer@tm.uka.de until 30. October 2008.~~

Registration for the workshop is required. The registration site will close after 6. November 2008.

Workshop location

Schloss Karlsruhe
 76131 Karlsruhe
 Germany

Contact

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