

Call for Papers
FUSECO@KiVS'11 Workshop
"Future Seamless Communication and Packet Core Evolution"
Part of KiVS'11 (Kommunikation in Verteilten Systemen 2011)

March 11, 2011, Kiel, Germany
www.fuseco-workshop.org/kivs

TPC Chairs:

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Motivation:

The trend towards All-IP networks in fixed and mobile domains, also referred to as Next Generation Network (NGN) and Next Generation Mobile Network, and the increasing demand for the efficient support of multimedia services across various wireless and wireline access networks is accelerating globally. For example, with the intended role out of new wireless broadband access networks, such as the Long Term Evolution (LTE) or WiMAX, the interworking with existing 3G, 2G and WLAN access networks becomes crucial. Along with the evolution of the wireline core network and emergence of new overlay control networks, such as the IP Multimedia Subsystem (IMS), the wireless domain intelligence is moving out of the different access networks into a common Evolved Packet Core (EPC).

This KiVS workshop is intended to become a series to bring together academia and industry and to provide a forum to debate on the research challenges related to integration and interworking of various access network technologies into an evolved packet core as well as the provision of various IP data and multimedia services, such as voice, rich media, as well as emerging mobile cloud services.

Topics of Interest:

- EPC access network integration
- Dynamic access network discovery and selection
- 3GPP and non-3GPP access network integration challenges
- Cross access network mobility management
- QoS provision across multiple access network domains
- Charging and accounting issues in EPC
- Cross access network security issues and solutions
- Evolved Packet Core OAM options
- Self organizing networks (SON) in EPC
- Future Internet research impacts on Evolved Packet Core evolution
- EPC rollout and EPC evolution
- Next Generation Mobile Networks standardization
- Next Generation Mobile Networks and NGN integration options
- Next Generation Mobile Networks prototyping and testbeds
- EPC benchmarking and testing
- Application function options above EPC and integration into EPC
- Application provision optimization above EPC
- Applications driving Next Generation Mobile Networks adoption
- EPC and IMS interworking / substitution
- Voice service implementation in Next Generation Mobile Networks
- Communications Delivery Platforms
- Mobile Cloud Computing

Important Dates:

Workshop contribution submission:	October 31, 2010
Notification of acceptance:	November 28, 2010
Final version of workshop contributions:	December 19, 2010

Detailed information on paper submission will be given soon aligned with the KiVS main conference. Contributions may be submitted in German or preferable in English. Depending on the final program and the actual speakers the workshop will be held in German or English.