

– Call for Contributions –

Within its series of round tables, VDE/ITG Section 5.2.4 “Mobility in IP-based Networks” organizes a joint one day workshop together with VDE/ITG Section 5.2.2 “Security in Networks”:

## Beyond IP – Security for the Future Internet

The workshop will take place in Paderborn on **November 28, 2011**. We solicit:

- Technical overview presentations
- Project presentations
- Presentations of results of ongoing research
- Visionary (possibly provocative) presentations

One of the megatrends of the recent years is the migration of all major ICT infrastructures towards all-IP solutions. This trend is obvious not only for classical telecommunication and cellular networks, it also concerns cyber-physical systems bridging the gap between the “real” world and cyberspace by using networked sensor and actor systems. This ubiquitous and unified communication substrate fosters new ways of communication, cooperation and human interaction as already demonstrated by Web 2.0 and social networking. As a result, the borders between professional and private life and between the physical world and cyberspace are increasingly blurred and the dependency on these systems increases rapidly – for all of us.

Cloud Computing, E-Health, E-Government will further contribute to this development. The need for enhanced efficiency and flexibility also pushes ICT-based approaches in other domains like energy (Smart Grid), automation and automotive (IP in the car) which drives our dependency on “the Internet” to new dimensions.

Besides the apparent advantages of this development, there are significant risks, misuse and fraud opportunities as we already experience today. One cause for the problems we face with the all-IP world is that the architectural ideas and the resulting protocols originate from a time when neither well defined quality of service nor mobility or security were priority design goals. As a consequence, the global research community has initiated a major initiative towards developing new – potentially disruptive – ideas and concepts for a Future Internet “beyond IP” where ubiquitous mobility is a basic assumption and security a major design issue.

The objective of this joint workshop is to create a forum for researchers, professionals and application developers both from industry and academia to discuss challenges and solution approaches for security in the Future Internet in order to get a better understanding what we can expect for the Future Internet.

Topics of particular interest include but are not limited to theoretical and practical work relating specifically to the security aspects of the Future Internet:

- Future Internet (security) architecture concepts
- Service orientation and functional composition
- Virtualization
- Monitoring and attack mitigation
- Privacy

Please inform the workshop organizers about your planned contribution by **October 23<sup>rd</sup>, 2011**. The number of contributions is limited and assigned on a first come first served basis. Participants should register by email by **November 18<sup>th</sup>, 2011**. More details about the meeting will be available soon via the webpage below. For further questions, please do not hesitate to contact the workshop organizers:

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