Message from the NFC 2011 Workshop Chairs

Welcome to the 3rd International Workshop on Near Field Communication (NFC 2011) held in conjunction with the 4th NFC Congress 2011 at the Upper Austria University of Applied Sciences in Hagenberg, Austria, on February 22nd, 2011.

Given the activity of new entrants in the NFC market, the technology is experiencing the ability to change personal lifestyles and creates new businesses more than ever before. Yet, owing to the fact that the emerging NFC technology influences many different industries – such as banks, mobile network operators, hardware producers, etc. – it is a sophisticated challenge to incorporate the needs and wishes of all these players. Regardless of this, the right steps have already been taken to identify requirements and establish standards for interoperability. And, although the NFC Forum and other standardization bodies are working together, there are still many issues to solve, especially for testing and interoperability.

NFC faces many big challenges in the research area. Therefore, in 2007, the NFC Research Lab Hagenberg and the NFC Research Group from VTT had the idea of creating a scientific conference on NFC. We started the collaboration, set up the program committee and invited other universities and research groups from all over the world to contribute to the first scientific conference on NFC. The workshop was held in Hagenberg (February 2009) and in Monaco (April 2010).

The scientific workshops on NFC brought researchers from academia and industry together. Both were a complete success where the participants had the chance to present, discuss and exchange their new ideas and approaches to NFC’s technology and ecosystem. Thus, we would like to continue this successful discussion forum with our 3rd International Workshop on Near Field Communication.

We are very glad that we again received so many high-level contributions. The most relevant research areas covered the physical layer, protocols, security, application development, and user experience. Among the many contributions, 12 papers were selected by the program committee in a double-blind review process. This year’s proceedings also feature one invited paper by the University of Nice Sophia Antipolis.

We would like to thank the authors for submitting their valuable work to this workshop and the program committee for reviewing all the contributions and selecting the papers accepted for presentation.

Best wishes,

Josef Langer, Upper Austria University of Applied Sciences
Tuomo Tuikka, VTT Technical Research Centre of Finland
Florian Michahelles, Auto-ID Labs, ETH Zurich
Serge Miranda, University of Nice Sophia Antipolis
Witold Jacak, Upper Austria University of Applied Sciences