

## **Chapter Activity Report**

### **Austrian IEEE Joint COM/MTT Chapter**

### **September 1<sup>st</sup> 2010 – August 31<sup>st</sup>, 2011**

Main activities of the Chapter in the reporting period were as follows:

On September 9<sup>th</sup> 2010 Prof. Ken-ya Hashimoto, from the Chiba University, Japan gave a talk entitled “Tunable RF SAW/BAW Filters: Dream or Reality?” at the Johannes Kepler University Linz, Austria. The talk attracted 20 attendees

On November 12<sup>th</sup>, 2010, Dr. Frank Burnet, Emeritus Professor of Science Communication gave a talk on “Science, scientists and the public” at the University of Klagenfurt, Austria which was jointly organized by the Lakeside Labs. The talk attracted 20 attendees.

On May 5<sup>th</sup>, 2011, Jun.-Prof. Hannes Frey from University of Paderborn, Germany gave a talk entitled “Scalable Routing Algorithms for Large Scale Wireless Networks” at the Johannes Kepler University Linz, Austria. The talk attracted 23 attendees

On March 28<sup>th</sup>, 2011 the first IEEE Forum on Signal Processing for Radio Frequency Systems (IEEE FSPRFS) was held at the Telecommunications Research Center Vienna (FTW), Austria. Over 35 attendees followed 9 high quality presentations covering many aspects of the merging fields of signal processing, RF systems, and circuit design. In the afternoon, a student presentation competition took place. The winner was Mr. Robert Dallinger from Vienna University of Technology, who gave a convincing talk about “Adaptive Digital Predistortion based on Two-block Models”. The event intends to be an open forum for discussing early research results, for having chats on future trends, and for starting and strengthening collaborations. It is planned to annually continue with this forum. The forum was sponsored by the IEEE Austrian Joint COM/MTT chapter, the Austrian Center of Competence in Mechatronics (ACCM), the Telecommunications Research Center Vienna (FTW) and x.test GmbH, who demonstrated the latest Agilent measurement equipment for LTE testing. The event was organized by Andreas Springer from Johannes Kepler University, Linz, Austria and Christian Vogel from FTW.

The 6<sup>th</sup> IEEE UWB Forum on Sensing and Communications was held on May 5<sup>th</sup>, 2011 at Graz University of Technology, Austria. It was organized by the Signal Processing and Speech Communication Laboratory (SPSC Lab) and our chapter. This year’s annual forum covered topics from UWB methods for RFID, design and development of UWB hardware to signal processing and applications for positioning applications. The technical program contained 16 high-level scientific contributions by research groups from Industry and Academia, which were presented to 40 attendees coming from USA; Sweden, Hungary, Belgium, Germany and Austria. This year a “Best Student Contribution Award” was granted to Daniel Arnitz, PhD student at Graz University of Technology, Austria, for his contribution “Tag Localization in Passive UHF RFID”.

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Chapter chairman