



TECHNISCHE UNIVERSITÄT
CHEMNITZ

Chemnitz University of Technology

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ITG INFORMATION TECHNOLOGY
SOCIETY WITHIN VDE

Workshop of ITG Committee 7.5 on Wave Propagation

The ITG Committee 7.5 on Wave Propagation
Day-Workshop on:

Wave Propagation and Scattering in Information Systems.

The scientific topics will include aspects of
Wave Propagation in Radar-Applications, Communications,
Navigation, and Remote Sensing.

Date and Venue:

14th February 2013,
Faculty of Electrical Engineering/ Information
Technology, Chemnitz University of Technology,
Room No. 2/ WI85 (Besprechungsraum)
Reichenhainer Str. 70, 09126 Chemnitz



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Anritsu

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Meeting Plan:

Time	Speaker	Topic
09:00 – 10:00 a.m.	All Participants	Registration and Coffee
10:00 – 10:20 a.m.	Prof. Dr. Madhukar Chandra <i>TU Chemnitz</i>	Welcome and Overview of the Committee's Activities
10:20 – 11:10 a.m.	Prof. Dr. Joachim Ender <i>Fraunhofer Institute for High Frequency Physics and Radar Techniques</i>	Keynote Address by Guest of Honor: "Quo vadis, Radar"
11:10 – 11:40 a.m.	Dr. Frank Gekat <i>Selex Sistemi Integrati GmbH</i>	"Operational Problems of Polarimetric Weather Radar Systems"
11:40 – 12:10 a.m.	Prof. Dr. Wolfgang Keydel <i>DLR</i>	"TerraSAR and Tandem-X Two Innovative Remote Sensing Stars in the Sky"
12:10 – 12:40 p.m.	Mr. Ferdinand Gerhardes <i>Anritsu GmbH</i>	"Radar Cross Section Measurements Using VNA Master MS2038C"
12:40 – 14:10 p.m.	All Participants	Lunch

Time	Speaker	Topic
14:10 – 14:40 p.m.	Mr. Patrick Tracksdorf <i>DWD</i>	"Operational utilisation of polarimetric weather radar measurements at DWD, Project: Radarmaßnahmen"
14:40 – 15:00 p.m.	Mr. Jörg Pamp <i>RWTH Aachen</i>	"Overview of the Antenna Measurement Facility at RWTH – Aachen"
15:00 – 15:30 p.m.	Dr. Kin Lien Chee and Prof. Thomas Kürner <i>TU Braunschweig</i>	"Radiowave Propagation in Vegetated Residential Environments"
15:30 – 15:50 p.m.	All Participants	Coffee Break
15:50 – 16:20 p.m.	Mr. Ralf Zichner <i>Fraunhofer ENAS</i>	"Printed antennas in science and industry"
16:20 – 16:50 p.m.	Dr. Achim Hornbostel <i>DLR Weßling</i>	"Current Propagation Research Topics in Satellite Navigation"
16:50 – 17:20 p.m.	Mr. Narathep Phruksahiran <i>TU Chemnitz</i>	"Polarimetric scattering properties and focusing methods for quantitative analysis of the SAR data"
17:20	All Participants	End of workshop
17:20 – 18:00 p.m.	Members of ITG Committee 7.5	Plenary Session: Future Planning