

go: USE YOUR ANTENNAS

CONFERENCE BOOK

**7th EUROPEAN CONFERENCE
ON ANTENNAS AND PROPAGATION**

**Gothenburg / Sweden
8-12 April 2013**



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09:00 A09: Imaging and inverse scattering. 2

- Room: R24+R25

10:40 Chairs: Giuseppe Di Massa (University of Calabria, Italy), Thomas Rylander (Chalmers University of Technology, Sweden)

11:10 M3: Measurement Imaging, Algorithms and Processing Techniques

- Room: R24+R25

Chairs: Jaime Laviada (Universidad de Oviedo, Spain), Takuya Sakamoto (Delft University of Technology, The Netherlands)

09:00 Phaseless Imaging of Dielectric Scatterers - Preliminary Experimental Results

Sandra Costanzo, Antonio Borgia, Giuseppe Di Massa (University of Calabria, Italy); Matteo Pastorino, Andrea Randazzo (University of Genoa, Italy)

09:20 Development and Measurements of Ferroelectric Ceramic-Polymer Composites for Sub-THz Range

Konrad Godziszewski, Yevhen Yashchynshyn (Warsaw University of Technology & Institute of Radioelectronics, Poland); Emilia Pawlikowska (Warsaw University of Technology & Faculties of Chemistry, Poland); Ewa Bobryk, Mikołaj Szafran (Warsaw University of Technology, Poland)

09:40 Exact Solutions in Microwave Holography Validated by Measurements

George Cheng, Yong Zhu, Jan Grzesik (Allwave Corporation, USA)

10:00 Image Acquisition At W-band Using a Frequency Scanning Antenna Array

Belen Larumbe-Gonzalo, Asier Ibanez-Loinaz, Aina-ra Rebollo, Ramon Gonzalez, Jorge Teniente (Public University of Navarra, Spain)

10:20 Microwave Measurements for Metal Vessels

Livia Cerullo, Johan Nohlert, Johan Wings, Thomas Rylander, Tomas McKelvey (Chalmers University of Technology, Sweden); Lubomir Gradinarisky (AstraZeneca R&D, Sweden); Mats Viberg (Chalmers University of Technology, Sweden); Staffan Folestad (AstraZeneca R&D, Sweden)

11:10 Target Speed Estimation Using Revised Range Point Migration for Ultra Wideband Radar Imaging

Takuya Sakamoto (Delft University of Technology, The Netherlands); Toru Sato (Kyoto University, Japan); Pascal Aubry (IRCTR, The Netherlands); Alexander Yarovoy (Delft University of Technology, The Netherlands)

11:30 Microwave Phaseless Inverse Scattering Setup Based on Indirect Holography

Jaime Laviada (Universidad de Oviedo, Spain); Yuri Alvarez (Universidad de Oviedo, Spain); Ana Arbolea Arbolea (Universidad de Oviedo, Spain); Cebrián García (Universidad de Oviedo, Spain); Fernando Las-Heras (Universidad de Oviedo, Spain)

11:50 An Identification Method Using ESPRIT and PCA for Radar Targets in Resonance Region

Salih Poyraz (Yasar University, Turkey); Mustafa Secmen (Yasar University, Turkey)

12:10 Experimental Investigations of Accuracy Improvement and Limitations of a Free Space Measurement System

Alireza Ajami (RWTH Aachen & IHF, Germany); Taipark Akkara-Aketalin (KMUTNB University, Thailand); Hammam Shakhtour (RWTH Aachen University, Germany); Dirk Heberling (RWTH Aachen University, Germany)

COFFEE BREAK