

go: USE YOUR ANTENNAS



CONFERENCE BOOK

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

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



go:teborg

09:00
09:00 **Phaseless Imaging of Dielectric Scatterers - Preliminary Experimental Results**
10:40 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 Yashchychshyn (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 Gonzalo, 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 Gradinrasky (AstraZeneca R&D, Sweden); Mats Viberg (Chalmers University of Technology, Sweden); Staffan Folestad (AstraZeneca R&D, Sweden)

11:10
11:10 **Target Speed Estimation Using Revised Range Point Migration for Ultra Wideband Radar Imaging**
12:30 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 Álvarez (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 Shakhmourad (RWTH Aachen University, Germany); Dirk Heberling (RWTH Aachen University, Germany)

COFFEE BREAK

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)

A31: THz antennas

Room: R2

Chairs: Dirk Heberling (RWTH Aachen University, Germany), Andrea Neto (Delft University of Technology, The Netherlands)