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EuRAD06

Ultra Wideband Imaging

Chair: Felix Yanowsky, National Aviation University
Co-Chair: Alexander Yaroslavsky, Delft University of Technology



**EUROPEAN
MICROWAVE
WEEK**
NCC NUREMBERG, GERMANY
6-11 OCTOBER 2013
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The
Session
in the
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The 10th European Radar Conference

- 08:30h - 08:50h **EuRAD06-1 Threat Object Classification with a Close Range Polarimetric Imaging System by Means of H-alpha Decomposition**
J. Adametz, L. Schmidt, University of Erlangen-Nuremberg, Erlangen, Germany

- 08:50h - 09:10h **EuRAD06-2 Self-similarity Analysis on Human Backscattering in Radar**
Y. He, F. Le Chevalier, A. G. Yarovoy, Delft University of Technology, Delft, Netherlands

- 09:10h - 09:30h **EuRAD06-3 Background Removal Methods in GPR Prospecting**
R. Solimene¹, A. Cuccaro¹, A. Dell'Aversano¹, I. Catapano², F. Soldovieri², ¹Seconda Università degli Studi di Napoli, Aversa, Italy, ²Consiglio Nazionale delle Ricerche, Napoli, Italy

- 09:30h - 09:50h **EuRAD06-4 Novel Transform for Ultra Wide-Band Radar Imaging with Circular Scanning Antennas**
T. Sakamoto¹, T. Sato¹, R. Salman², I. Willms², A. G. Yarovoy³, ¹Kyoto University, Kyoto, Japan, ²Universität Duisburg-Essen, Duisburg, Germany, ³Delft University of Technology, Delft, Netherlands

- 09:50h - 10:10h **EuRAD06-5 Geometry Classification by Means of Scattering Matrix Decomposition for Ultra-Wideband Radar**
R. Salman¹, I. Willms¹, L. Reichardt², T. Zwick², W. Wiesbeck², ¹Universität Duisburg-Essen, Duisburg, Germany, ²Karlsruher Institute of Technology (KIT), Karlsruhe, Germany