

PROGRAM

5th EUROPEAN CONFERENCE ON SYNTHETIC APERTURE RADAR



Ulm, Germany
May 25-27, 2004
Edwin-Scharff-Haus



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Urban Areas I (invited)

Chairpersons: U. Stilla, Germany, (F. Tupin, France)

9:00 Context-supported Road Extraction from SAR Imagery: Transition from Rural to Built-up Areas

B. Wessel, S. Hinz, Technical University of Munich, Germany

9:20 Extracting Building and Street Orientation from Punctual SAR Measurements

P. Gamba, F. Dell'Acqua, G. Lisini, Universita di Pavia, Italy

9:40 Building Characterisation Using Polarimetric Interferometric SAR Data

S. Guillaso, L. Ferro-Famil, E. Pottier, IETR, Rennes, France; A. Reigber, Technical University of Berlin, Germany

10:00 Extraction of Urban Elevation Models from High Resolution Interferometric SAR Images

C. Tison, F. Tupin, H. Maitre, Telecom Paris, France

10:20 Coffee break

Urban Areas II (invited)

Chairpersons: F. Tupin, France, (U. Stilla, Germany)

10:50 New Opportunities and Challenges for Analysis of Urban Areas in High Resolution SAR Data

U. Sörgel, U. Thoennesen, U. Stilla, FGAN-FOM, Ettlingen; A. Brenner, FGAN-FHR, Wachtberg, Germany

11:10 The Benefits and Detriments of Radar Shadowing in Urban SAR Imaging

A. Bennett, D. Blacknell, QinetiQ, UK

11:30 **Automatic Target Recognition in High Resolution SAR Images of Urban Areas: an Approach at Different Levels**
V. Amberg, M. Coulon, IRIT-TeSA, Toulouse; M. Spigai, Alcatel Space, Toulouse; P. Marthon, IRIT, Toulouse, France

12:10 **Lunch**

Urban Areas III

Chairpersons: L. Ferro-Famil, France, (R. Scheiber, Germany)

13:50 **Automated CAD Model Based Georeferencing for High-Resolution SAR Data Fusion in Urban Environments**
T. Balz, University of Stuttgart, Germany

14:10 **Sub-aperture Decomposition for SAR Urban Area Analysis**
F. Tupin, C. Tison, Ecole Nationale Supérieure des Telecommunications, Paris, France

14:30 **Feature Extraction of Urban Area based on Polarimetric Decomposition**
T. Moriyama, S. Uratuka, T. Umerara, M. Satake, A. Naidai, H. Maeno, K. Nakamura, Communications Research Laboratory, Nukui-kita, Koganei-shi, Japan

14:50 **Investigating Orientation Effects over Agricultural Vegetation with Polarimetric SAR Interferometry**
I. Hajnsek, K. P. Papathanassiou, DLR, Weßling, Germany; S. Cloude, AEL Consultants, Cupar, UK

15:10 **Coffee break**