FP7 COORDINATION ACTION "CARE"
FINAL WORKSHOP

Organized in conjunction with EuCAP 2012.
Prague Congress Centre, Prague, Czech Republic,
28 March 2012, 14:00–16:40 , Room Club A

14h00-14h15 Welcome and CARE project overview
Bruno Casali, CARE Coordinator, IDS Italy

14h15-14h30 CARE project factsheet: WGs, results and achieved impact.
Bruno Casali, CARE Coordinator, IDS Italy

SECONDMENTS PRESENTATIONS

14h30-14h45
High Resolution Two-Dimensional DOA Estimation Using   Artificial Neural Networks
Marija Agatonovic (1), Zoran Stankovic (1), Bratislav Milovanovic (1), Y. Leen Sit (2) and Thomas Zwick (2)
(1) Faculty of Electronic Engineering, University of Nis, Serbia
(2) Karlsruhe Institute of Technology, Germany

14h45-15h00
Design and Analysis of a Planar UHF Wearable Antenna
Branimir Ivsic (1), Juraj Bartolic (1), Davor Bonefacic (1), Anja K Skrivervik (2), Jovanche Trajkovikj (2)
(1) University of Zagreb, Croatia
(2) EPFL, Switzerland

15h00-15h15
Evaluation of Specific Absorption Rate and radiation pattern features for a dozen of wearable antennas operating from 600 MHz to 5.5 GHz
Tomasz Maleszka (1), Witold Kurp (1), Andre van den Bosch (2), Steffan Weitz (2), Marta Martinez (2)
(1)Wroclaw University of Technology, Wroclaw, Poland
(2) IMST, Kamp Lintfort, Germany

15h15-15h30
RHCP patch antenna element for Telecommand, Telemetry and Ranging applications onboard spacecraft
Bartlomiej Mizak (1), Przemyslaw Radzik (1), Arkadiusz Byndas (1), Per Ingvarson (2), Joakim Johansson (2), Jan Zackrisson (2)
(1)Wroclaw University of Technology, Wroclaw, Poland
(2) RUAG Space, Gothenburg, Sweden

15h30-15h45
KUL and EPFL Cooperation on Numerical Integration of Sommerfeld Integrals
Vladimir Volski (1), Guy A. E. Vandenbosch (1), Athanasios Polimeridis (2),
Juan R Mosig (2), Ruzica Golubovic (2)
(1) KU Leuven, Belgium
(2) EPFL, Switzerland

15h45-16h00
Revision of EBG Metamaterials and Active Antennas
Gonzalo Exposito-Dominguez (1), Jose-Manuel Fernandez-Gonzalez (2), Pablo Padilla (3),
Manuel Sierra-Castaner (2)
(1) IMST Germany and UPM, Spain
(2) Universidad Politecnica de Madrid, Spain
(3) University of Granada, Spain

16h00-16h15
Thermal Calculation Using a 3D-EM Solver and Thermal-Electrical Analogy
Ismael Nistal (1), Andreas Bettray (2), Kai Maulwurf (2)
(1) U. of Carlos III, Madrid, Spain and IMST Germany
(2) IMST GmbH, Germany

SHORT COMMUNICATIONS

16h15-16h20
Numerical analysis of metamaterial barrier for integration into microstrip circuits
Przemyslaw Gorski (1), Guy Vandenbosch (2), Vladimir Volski (2)
(1)Wroclaw University of Technology, Wroclaw, Poland
(2) ESAT-TELEMIC, Katholieke Universiteit Leuven, Belgium

16h20-16h25
Time-Domain Surface Impedance of a Plasmonic Half-Space
Martin Stumpf (Katholieke Universiteit Leuven, Belgium), Guy A. E. Vandenbosch (Katholieke
Universiteit Leuven, Belgium)

16h25-16h30
Common-Mode Rejection in a Connected Array of Dipoles with Inherent Frequency
Selectivity Properties
Lorenzo Cifola (1), Daniele Cavallo (2), Giampiero Gerini (2), Silvio Savoia (1), Antonio Morini
(1), Giuseppe Venanzoni (1)
(1) Università Politecnica delle Marche, Ancona, Italy
(29 TNO, Defense Security and Safety, The Hague, Netherlands

16h30-16h35
Mode Matching Method for the Analysis of Substrate Integrated Waveguides
M. Casalleti (1), S. Maci (1), R. Sauleau (2)
(1) U. of Siena, Italy   (2) U. of Rennes, France