

# **2009 European Wireless Technology Conference**

**(EuWiT 2009)**

**Rome, Italy  
28 – 29 September 2009**



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## EuWiT01: Signal Processing for Wireless Applications

Chair: Enrico Del Re, University of Florence — Co-Chair: Alexander Kocian, CTIF Italy

Venue: Aurelia, 08:45 - 10:25, Monday 28 Sept 2009

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- 1        **On the Analysis of Peak-to-Average Power Ratio of Wavelet Packet Modulation**  
*B. Torun, M.K. Lakshmanan, H. Nikoogar, Technische Universiteit Delft, The Netherlands*
- 5        **Switched Beam Antenna Design Principles for Angle of Arrival Estimation**  
*G. Giorgetti<sup>1</sup>, S. Maddio<sup>2</sup>, A. Cidronali<sup>2</sup>, S.K.S. Gupta<sup>1</sup>, G. Manes<sup>2</sup>*  
*<sup>1</sup>Arizona State University, USA; <sup>2</sup>Università di Firenze, Italy*
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Chair: Roberto Vincenti Gatti, University of Perugia — Co-Chair: Anders Derneryd, Lund University

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*<sup>1</sup>Technische Universiteit Eindhoven, The Netherlands; <sup>2</sup>ISEL, Portugal; <sup>3</sup>NXP Research, The Netherlands*
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Chair: Tommaso Rossi, "Tor Vergata" University of Rome — Co-Chair: Frank Marzano, "Sapienza" University of Rome

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*<sup>1</sup>Uppsala University, Sweden; <sup>2</sup>TNT-Elektronik AB, Sweden*
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<sup>1</sup>Okayama University, Japan; <sup>2</sup>Olympus Corporation, Japan
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<sup>1</sup>Universidad Politécnica de Madrid, Spain; <sup>2</sup>Alcatel-Lucent, Spain

## EuWiT04: Power-Aware and Multi-Standard Wireless Systems

Chair: Marina Ruggieri, "Tor Vergata" University of Rome — Co-Chair: Alessandra Costanzo, University of Bologna

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<sup>1</sup>ESYCOM, France; <sup>2</sup>L2S, France
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<sup>1</sup>Royal Military College of Canada, Canada; <sup>2</sup>Università di Roma "La Sapienza", Italy
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<sup>1</sup>Observatorio Astronómico Nacional, Spain; <sup>2</sup>Universidad Carlos III de Madrid, Spain; <sup>3</sup>Universidad Politécnica de Madrid, Spain

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*Fan Fan He<sup>1</sup>, Ke Wu<sup>1</sup>, Wei Hong<sup>2</sup>*

<sup>1</sup>*École Polytechnique de Montréal, Canada;* <sup>2</sup>*Southeast University, China*

## EuWiT06: Focused Session on “InfoCity”: Information Management and Networking Solutions for the City of the Future

*Chair: Antonella Molinaro, Mediterranean University of Reggio Calabria*

*Co-Chair: Carla Fabiana Chiasserini, Polytechnic of Turin and Mischa Dohler, CTTC*

*Venue: Cecilia, 11:00 - 12:40, Monday 28 Sept 2009*

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*Manos Dramitinos<sup>1</sup>, Isabelle Guérin Lassous<sup>2</sup>*

<sup>1</sup>*Laboratoire de l’Informatique du Parallélisme, France;* <sup>2</sup>*Université Claude Bernard, France*

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*Jose M. Barcelo-Ordinas<sup>1</sup>, Claudio Casetti<sup>2</sup>, Gunnar Karlsson<sup>3</sup>, Susana Sargento<sup>4</sup>*

<sup>1</sup>*Universitat Politècnica de Catalunya, Spain;* <sup>2</sup>*Politecnico di Torino, Italy;* <sup>3</sup>*KTH, Sweden;* <sup>4</sup>*Universidade de Aveiro, Portugal*

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<sup>1</sup>*Universität Stuttgart, Germany;* <sup>2</sup>*Technische Universität München, Germany*

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<sup>1</sup>*Technische Universität Wien, Austria;* <sup>2</sup>*CISC Semiconductor Design+Consulting GmbH, Austria;* <sup>3</sup>*Technische Universität Graz, Austria*

120      **Time Reversal: Impact on the Performance of an UWB Location System**

*M. Bocquet<sup>1</sup>, M. Heddebaut<sup>1</sup>, F. Boukour<sup>1</sup>, C. Loyez<sup>2</sup>, C. Lethien<sup>2</sup>, N. Rolland<sup>2</sup>*

<sup>1</sup>*INRETS-LEOST, France;* <sup>2</sup>*IEMN, France*

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Chair: Ernestina Cianca, "Tor Vergata" University of Rome — Co-Chair: Mischa Dohler, Polytechnic University of Catalunya  
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<sup>1</sup>Warsaw University of Technology, Poland; <sup>2</sup>National Academy of Sciences of Belarus, Belarus
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<sup>1</sup>Technical University of Denmark, Denmark; <sup>2</sup>Radiocomp ApS, Denmark
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*Massimo Celidonio, Dario Di Zenobio, Lorenzo Pulcini, Fondazione Ugo Bordoni, Italy*
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<sup>1</sup>Università di Roma "Tor Vergata", Italy; <sup>2</sup>Carlo Gavazzi Space, Italy
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<sup>1</sup>Thales Alenia Space, Italy; <sup>2</sup>Università di Roma "La Sapienza", Italy; <sup>3</sup>Università dell'Aquila, Italy; <sup>4</sup>Università di Roma "Tor Vergata", Italy; <sup>5</sup>Texas A&M University, USA

## EuWiT09: Antenna Synthesis and Modelling

Chair: Pawel Kabacik, Technical University of Wroclaw — Co-Chair: Gaetano Marrocco, "Tor Vergata" University of Rome  
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<sup>1</sup>Hitachi America Ltd., USA; <sup>2</sup>Hitachi Cable Ltd., Japan; <sup>3</sup>OnStar, USA
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*Z. Chen, S. Otto, Universität Duisburg-Essen, Germany*
- 164 **An Hybrid Strategy for Stepped Amplitude Arrays Synthesis**  
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<sup>1</sup>Consorzio OPTEL InP, Italy; <sup>2</sup>SELEX Sistemi Integrati S.p.A., Italy

# EuWiT10: Modeling and Characterization of RF Propagation Channel

Chair: Vittorio degli Espositi, University of Bologna — Co-Chair: Rodolphe Vauzelle, University of Poitiers

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*Xiang Li<sup>1</sup>, Rodolphe Vauzelle<sup>1</sup>, Yannis Pousset<sup>1</sup>, François Martinez<sup>2</sup>, Pierre Combeau<sup>1</sup>*  
*<sup>1</sup>XLIM, France; <sup>2</sup>Ergospace, France*
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*<sup>1</sup>Continental Automotive France SAS, France; <sup>2</sup>LAPLACE, France; <sup>3</sup>LAAS, France*
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*I.M. Mytsenko, D.D. Khalameyda, National Academy of Sciences of Ukraine, Ukraine*

## EuWiT Opening Session

Chair: Gabriele Falciasecca, EuWiT 2009 Chair — Co-Chair: Mario Frullone, EuWiT 2009 Co-Chair

Venue: Baebiana, 14:00 - 15:40, Monday 28 Sept 2009

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## EuWiT Closing Session

Chair: Gabriele Falciasecca, EuWiT 2009 Chair

Co-Chair: Mario Frullone, EuWiT 2009 Co-Chair and Geneviève Baudoin, EuWiT 2010 Chair

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## EuWiT Poster

Chair: Ernestina Cianca, "Tor Vergata" University of Rome — Co-Chair: Mauro De Sanctis, "Tor Vergata" University of Rome  
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*Borislav Milevsky<sup>1</sup>, Myriam Ariaudo<sup>1</sup>, Jean-Luc Gautier<sup>1</sup>, Inbar Fijalkow<sup>1</sup>, Marin Hristov<sup>2</sup>*  
<sup>1</sup>ETIS, France; <sup>2</sup>Technical University of Sofia, Bulgaria
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*Cecile Masse, Analog Devices Inc., USA*
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<sup>1</sup>SELEX Communications S.p.A., Italy; <sup>2</sup>Università di Napoli "Federico II", Italy; <sup>3</sup>SELEX Sistemi Integrati S.p.A., Italy
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- 222 **The Use of Constant Modulus Normalization for Digital Echo Cancellation Within RF Repeaters**  
*R. Neil Braithwaite, Powerwave Technologies, USA*

## EuMC/EuWiT01 : UWB Sources and Systems

Chair: Jan Macháč, Technical University of Prague — Co-Chair: Catherine Algani, CNAM  
Venue: Aurelia, 08:45 - 10:25, Tuesday 29 Sept 2009

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*Pavel Protiva<sup>1</sup>, Jan Mrkvica<sup>2</sup>, Jan Macháč<sup>1</sup>*  
<sup>1</sup>Czech Technical University in Prague, Czech Republic; <sup>2</sup>RETIA a.s., Czech Republic
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<sup>1</sup>L2E, France; <sup>2</sup>ESYCOM, France
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*N. Guldner, C. Tripon-Canseliet, S. Faci, Georges Alquié, L2E, France*

# EuMIC/EuWiT01 : RFICs for Wireless Applications

Chair: Patrice Gamand, NXP Semiconductor — Co-Chair: Mauro de Sanctis, "Tor Vergata" University of Rome

Venue: Giulia, 08:45 - 10:25, Monday 28 Sept 2009

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<sup>1</sup>NXP Semiconductors, France; <sup>2</sup>Apache Design Solutions, USA; <sup>3</sup>Cadence Design Systems, France
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*Sang-Gyu Park*, Samsung Electro-Mechanics Co. Ltd., Korea
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*Thomas Ussmueller, Kay Seemann, Robert Weigel*, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
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*Tzu-Chan Chueh*<sup>1</sup>, *Wei-Hsien Chen*<sup>1</sup>, *Da-Rong Huang*<sup>2</sup>  
<sup>1</sup>ITRI, Taiwan; <sup>2</sup>TrendChip Technologies Corp., Taiwan
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