

ICTRS'16 Technical Program

*Fifth International Conference on
Telecommunications & Remote Sensing*

10-11 October 2011
Milan, Italy

Venue

Auditorium Margherita
Hotel Lombardia Milano
Viale Lombardia, 74/76
20131 Milan
Italy

Reaching the Venue

Hotel Lombardia is walking distance
away from Piola metro station and is
in close proximity to Politecnico di
Milano

October 10

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| 10:45 | Welcome Desk Registration |
| 11:15 | Opening Session |
| 12:15 | Remembering Blagovest Shishkov |
| 12:45 | Lunch |
| 13:45 | Panel <i>Chair: Dr. Boris Shishkov</i> |
| 14:45 | ICTRS 2017 Delft, The Netherlands |

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| 17:00 | Milan Walking Tour |
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| 19:30 | ICTRS'16 Gala Dinner |
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23:00

October 11

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| 09:00 | Welcome Desk Registration |
| 09:30 | ICTRS'16 Session 1 Ionospheric Propagation Effects |
| 10:30 | Coffee-Break |
| 10:45 | ICTRS'16 Session 2 Satellite and Aerial Sensing |
| 12:00 | ICTRS'16 Session 3 Electromagnetic Wave Technologies |
| 13:00 | Lunch |
| 14:00 | ICTRS'16 Session 4 Signal Proc. for Next Generation Networks |
| 15:00 | ICTRS'16 Session 5 Medical Sensors Applications |
| 15:30 | Special Session Data Science and Applications |
| 16:15 | Closing Session + Coffee |

ICTRS'16: List of Accepted Papers

Session 1: **IONOSPHERIC PROPAGATION EFFECTS**

Paper 1:

Efficiency of the Equivalent Slab Thickness of the Ionosphere to Set Radio Wave Propagation Conditions

Presenter: **Olga Maltseva**

Authors: Olga Maltseva and Natalia Mozhaeva

Paper 2:

Assessing the Impact of TEC Fluctuations on ALOS-PALSAR Images

Presenter: **Luca Spogli**

Authors: Luca Spogli, Elvira Musicò, Claudio Cesaroni, J. Peter Merryman Boncori, Giorgiana De Franceschi, and Roberto Seu

Session 2: **SATELLITE AND AERIAL SENSING**

Paper 3:

New Wavelet Based Spatiotemporal Fusion Method

Presenter: **Amal Ibnelhobyb**

Authors: A. Ibnelhobyb, A. Mouak, A. Radgui, A. Tamtaoui, A. Er-Raji, D. El Hadani, M. Merdas, and F. Mohamed Smiej

Paper 4:

Multi-Satellite Interferometric SAR System

Presenter: **Andon Lazarov**

Authors: Andon Lazarov, Dimitar Minchev, and Chavdar Minchev

Paper 5:

Bathymetric Mapping of Shallow Rivers with UAV Hyperspectral Data

Presenter: **Valeria Gentile**

Authors: Valeria Gentile, Marek Mróz, Marie Spitoni, Jérôme Lejot, Hervé Piégay, and Luca Demarchi

Session 3: **ELECTROMAGNETIC WAVE TECHNOLOGIES**

Paper 6:

Physically Inspired Digital Predistortion for Dual Input Doherty Power Amplifiers and Automatic in-Situ Identification

Presenter: **Giovanni Donati**

Authors: Giovanni Donati, Christian Musolff, Giuseppe Gottardo, Daniel Popp, and Georg Fischer Friedrich

Paper 7:

Is it Possible to Detect the Stealth Flying Objects by the Millimetre Wave Radiometer?

Presenter: **Alexander Denisov**

Authors: Jinghui Qiu, S. Lan, Hao Liu, Xinyu Yin, Alexander Denisov, Xiao Qing, Zhao Man, and Francesco Soldovieri

Session 4: **SIGNAL PROCESSING FOR NEXT GENERATION NETWORKS**

Paper 8:

Capacity Analysis of Radio Frequency Interconnect for Manycore Processor Chips

Presenter: **Jacques Palicot**

Authors: Eren Unlu, Christophe Moy, Yves Louet, and Jacques Palicot

Paper 9:

Hidden Markov Model Traffic Characterisation in Wireless Networks

Presenter: **Evangelos Spyrou**

Author: Evangelos Spyrou and Dimitris Mitrakos

Session 5: **MEDICAL SENSORS APPLICATIONS**

Paper 10:

Brain Rehabilitation in Clinical Trials Setup by Eye-Tracking

Presenter: **Karol Kozak**

Authors: Bartosz Kunka, Robert Kosikowski, Jessica Barlinn, and Karol Kozak

Special Session: **DATA SCIENCE AND APPLICATIONS**

Paper 11:

Adopting NoSQL Databases using a Quality Attribute Framework and Risks Analysis

Presenter: **Hilda Mackin**

Authors: Hilda Mackin, Gonzalo Perez, and Charles C. Tappert

Paper 12:

A Comparative of Spanish Encoding Functions, Effectiveness of Record Linkage

Presenter: **Maria del Pilar Angeles**

Authors: Maria del Pilar Angeles and Noemi Bailon-Miguel