



# IWMbD2016

## 2nd International Workshop on Metamaterials-by-Design

Riva del Garda, Italy, December 15-16 2016

### Chairs

Prof. Giacomo Oliveri (*Chair*), ELEDIA Research Center@UniTN, Italy  
Prof. Filiberto Bilotti (*Co-Chair*), University of Roma TRE, Italy

### Senior Advisory Board

Dr. Stefan Feuchtinger, HUAWEI Munich, Germany  
Dr. Lorenzo Fiori, AgustaWestland, Italy  
Dr. John Griffin, Leonardo, UK  
Dr. Hervé Legay, Thales Alenia Space, France  
Dr. Renato Lombardi, HUAWEI Milan, Italy  
Prof. Andrea Massa, ELEDIA Research Center  
Prof. Alessandro Toscano, University of Roma TRE, Italy  
Dr. Mauro Varasi, Leonardo, Italy

### Steering Committee

Dr. Fabrice Boust, ONERA, France  
Prof. Tie Jun Cui, Southeast University, China  
Dr. Jean Chazelas, Thales Group, France  
Prof. Nader Engheta, University of Pennsylvania, USA  
Dr. Ennio Giaccari, ELEDIA Research Center@UniTN, Italy  
Prof. Yang Hao, Queen Mary University of London, UK  
Prof. Stefano Maci, University of Siena, Italy  
Prof. Robert Mailloux, ELEDIA Research Center  
Dr. Maurizio Mattivi, HUAWEI Milan, Italy  
Prof. Paolo Rocca, ELEDIA Research Center@UniTN, Italy  
Prof. Sergei Tretyakov, Aalto University, Finland  
Prof. Alain Sibille, Télécom Paris Tech, France  
Ing. Stefano Scafè, Leonardo, Italy  
Prof. Douglas H. Werner, Penn State University, USA

### Attending the Event

*Date*  
09:00 December 15, 2016 (Thursday)  
17:00 December 16, 2016 (Friday)

*Venue*  
Riva del Garda Fierecongressi, Parco Lido, Riva del Garda, Italy

*Registration*  
Regular: 250 €  
PhD Student: 100 €  
Master Student: free (requires online registration)

*Contact*  
iwmbd2016@eledia.org

Visit [www.2016-metamaterials-workshop.eu](http://www.2016-metamaterials-workshop.eu) for registration, submission, and program details

The second **International Workshop on Metamaterials-by-Design: Theory, Methods, and Applications to Communications and Sensing** will be aimed at presenting a comprehensive overview of the latest advances and emerging trends in the theory, methods, and the Communications and Sensing applications of the Material-by-Design paradigm, and it will highlight the current status and the envisaged frontiers in this research area.

### Deadlines

Paper Submission	30/09/2016
Notification	15/10/2016
Registration	01/11/2016

The topics of main interest will include, but will not be limited to, task-oriented materials and wave manipulation devices, reconfigurable and tunable metamaterials at microwave, THz, and optical frequencies, homogenization of metamaterials and effective medium models, three-dimensional metamaterials, planar metamaterials and meta-surfaces, active metamaterials, quantum metamaterials, antenna applications of metamaterials, metamaterials for nanoelectronics and nanophotonics and metatronics, metamaterials for sensing, biological and biomedical applications of metamaterials, novel metamaterial concepts, experimental techniques and characterization of metamaterials, and their applications to current and future Communication and Sensing systems.

The Workshop will comprise Keynote Presentations from distinguished experts from international top institutions as well as peer-reviewed contributions. Additionally, round tables will be organized at the end of each day to stimulate the open discussion among the presenters and the attendees.

### Submission Guidelines

Papers should be 1 to 2 pages long and contain an abstract and a main body where technical content and novelty of the work are clearly presented.

Papers should be submitted as camera-ready PDF files at the following web page <https://easychair.org/conferences/?conf=iwmbd2016>

Authors are requested to use the template available at the conference website.

### Special Section of IEEE JMMCT

Selected papers accepted and presented at the Workshop will be offered the possibility to be extended and published on the Special Section "*Multiscale and Multiphysics Computation for Metamaterials - Theory and Applications*" of the **IEEE Journal on Multiscale and Multiphysics Computational Techniques**.

Please contact the Workshop Chairs and visit [www.2016-metamaterials-workshop.eu](http://www.2016-metamaterials-workshop.eu) for detailed information on deadlines, templates, and submission modalities.