

Welcome Message from the Chairpersons

The 2012 IEEE Workshop on Environmental, Energy, and Structural Monitoring Systems is the third meeting of a series technically sponsored and organized by the IEEE Italy Section Systems Council Chapter, with the technical co-sponsorship of the IEEE Italy Section Instrumentation and Measurement Society Chapter, and the sponsorship of the IEEE Italy Section. This edition has been organized with the technical co-sponsorship of the European Science Foundation COST Action “Intelligent Monitoring, Control and Security of Critical Infrastructure Systems” – IntelliCIS, with the organizational cooperation of the Department of Information Technology of the Università degli Studi di Perugia, Italy.

The wide and increasing needs for flexible solutions in environmental, energy, and structural monitoring systems highlights the importance of using design methodologies and implementation technologies with high adaptation and evolution ability. This workshop aims to present and discuss theory and practice of metrology, measurement technology, instrumentation, and related applications in these application domains. In particular, it will focus on the various technological, methodological and application aspects of complex monitoring systems for environmental, energy, and structural monitoring and the related applications.

Perugia is an ideal venue not only for discussion of new developments and results in research and engineering practice of monitoring systems, but also for meeting old friends and new colleagues in a friendly, relaxing and stimulating atmosphere.

The organization of the meeting required efforts from many people to shape the technical program, review papers, prepare the proceedings, arrange the venue, manage the administrative aspects, and set up the social functions. We would like to take this opportunity to thank all and each of the contributors into the workshop organization.

We hope that each and all of you will acquire a lot of interesting, important and mind-stimulating knowledge from the papers included into the workshop program. We also hope that you will have useful interaction and communications with colleagues at the meeting, as well as enjoy your time in Perugia.

Welcome to the IEEE EESMS 2012 in Perugia!

Honorary Chairs

Paolo Carbone, Università degli Studi di Perugia, Italy

General Chairs

Marios Polycarpou, University of Cyprus, Cyprus

Stefano Ferrari, Università degli Studi di Milano, Italy

Antonio Moschitta, University of Perugia, Italy

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