



EESMS 2014



Italy Section Chapter



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2014 IEEE Workshop on Environmental, Energy, and Structural Monitoring Systems

Naples, Italy, 17-18 September 2014

Sponsored by the IEEE Italy Section

*Supported and promoted by the IEEE Italy Section Systems Council Chapter
and the IEEE Italy Section Instrumentation and Measurement Society Chapter*

*Organizatively supported by the Department of Engineering,
University of Naples "Parthenope", Italy*



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Web Site

<http://www.ingegneria.uniparthenope.it/EESMS2014>

CALL FOR PAPERS

The increasingly strategic role of flexible, effective and innovative solutions for environmental, energy, and structural monitoring systems boosts the need for design methodologies and implementation technologies with strong adaptation and evolution characteristics. The workshop aims to present and discuss the various technological, methodological and application aspects of complex monitoring systems in the three aforementioned application areas.

Papers are solicited on all aspects of environmental, energy and structural monitoring systems and the related applications, from the point of view of both theory and practice, including the following topics:

sensors and instrumentation for monitoring systems
signal and image processing for monitoring systems
intelligent monitoring systems
wide-area monitoring
communications in monitoring systems
security and privacy in monitoring systems
fault tolerance
dependability and resilience in monitoring systems
quality of service in monitoring systems
safety in monitoring systems
standards for monitoring systems
management and operation of monitoring systems
ethic issues in environmental and energy monitoring
software infrastructure for monitoring systems

engineering education in monitoring systems
environmental monitoring
water monitoring systems
air monitoring systems
pollution monitoring
agricultural and forest monitoring
energy and electrical power systems monitoring
energy distribution monitoring
oil/gas pipeline monitoring
structural monitoring
critical infrastructures monitoring
transportation systems monitoring
monitoring for sustainable environments
industrial monitoring systems

Special session on Structural Control and Health Monitoring Systems

This special session aims at networking novel researches concerning complex and edge-technology systems and methodologies addressed to the vibration control and health monitoring of existing structures subjected to natural actions like earthquakes, wind, rain etc. and/or to deterioration. The session intends to attract and collect contributions coming from different area of research, so trying to draw a multidisciplinary state-of-the-art about the involved topics.

SUBMIT PAPERS BY 30 MAY 2014

Details for the submission and all information concerning the workshop can be found at workshop the web site at <http://www.ingegneria.uniparthenope.it/EESMS2014>. Acceptance/rejection will be emailed by 17 June 2014. The final manuscript is due by 20 July 2014. Submission implies willingness to register at the conference, pay the registration fee and present the paper in person. Papers will be included in the proceedings only if at least one author will register by 20 July 2014 (IEEE member and non-member fees only are acceptable to this purpose) - no exceptions. Papers included in the proceedings will also be submitted for inclusion in the IEEE Xplore digital library only if the paper will be presented in person at the conference by one of the authors. If an author covers more than one paper with her/his registration, in order to guarantee inclusion in the proceedings, she/he must pay a 50 Euro charge for each paper in excess of one.