



IEEE

EESMS 2016

IEEE
ITALY SECTION



Italy Section Chapter



2016 IEEE Workshop on Environmental, Energy, and Structural Monitoring Systems

Bari, Italy, 13-14 June 2016

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
Organized by Politecnico di Bari and Università degli Studi di Milano



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Web Site

<http://eesms2016.aeflab.net>

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IMPORTANT DATES

Submission of draft papers:

~~15 February 2016~~ **29 February 2016**

Notification of acceptance:

~~15 March 2016~~ **22 March 2016**

Final submission:

~~1 April 2016~~ **8 April 2016**

Early registration:

15 April 2016

CALL FOR PAPERS

The growing strategic importance of environmental, energy, and structural monitoring boosts the need for flexible, effective and innovative solutions for design methods and implementation technologies with strong adaptation and evolution capabilities. This workshop aims to discuss the most recent advances in complex monitoring systems from a cross-disciplinary perspective, encompassing technology, methods and applications. Contributions are solicited in all aspects of environmental, energy, and structural monitoring, including the following topics within these application areas:

Sensors and instrumentation
Signal and image processing
Intelligent monitoring systems
Software infrastructure
Wide-area monitoring
Communications
Data security and privacy
Fault tolerance, dependability and resilience
Quality of service
Safety
Standardization issues
Management and operation
Engineering education

Environmental monitoring
Water and air monitoring
Pollution monitoring
Agricultural and forest monitoring
Energy and electrical power systems monitoring
Energy distribution monitoring
Oil/gas pipeline monitoring
Structural health monitoring
Smart structures
Critical infrastructure monitoring
Transportation systems monitoring
Monitoring for sustainable environments
Ethical issues

Special Sessions

A special session on Monitoring issues for *Smart Microgrids Energy Management* has been organized with specific topics on smart grid paradigm in modern electrical systems. A special session entitled *Structural Control and Health Monitoring Systems*, will collect novel researches concerning complex and edge-technology systems and methodologies addressed to the vibration control and health monitoring of existing structures. A special session entitled *Coastal and Sea Monitoring* focuses on the strategies and techniques, which guarantee to manage and control coastal sites. A special session on *Enabling Technologies and Methodologies for Smart Monitoring of Critical Infrastructures* focuses on technological breakthroughs and roadmaps in implementing the technology, but also presents the much needed sharing of best practices. For special session contact Special Session Chairs.

SUBMIT DRAFT PAPERS BY 15 FEBRUARY 2016 29 FEBRUARY 2016

Details for the submission and all information concerning the workshop are available at the workshop web site at <http://eesms2016.aeflab.net>. Acceptance/rejection will be emailed by ~~15 March 2016~~ **22 March 2016**. The final manuscript is due by ~~1 April 2016~~ **8 April 2016**. 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 **15 April 2016** (IEEE member and non-member fees only are acceptable to this purpose) - no exceptions. Papers included in the proceedings will be submitted for possible 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 accepted paper with her/his registration to guarantee inclusion in the proceedings, she/he must pay a 50 Euro surcharge for each paper in excess of one.