



Italy Section Chapter



2012 IEEE Workshop on Environmental, Energy, Structural Monitoring Systems

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Organized by Università degli Studi di Perugia, Italy

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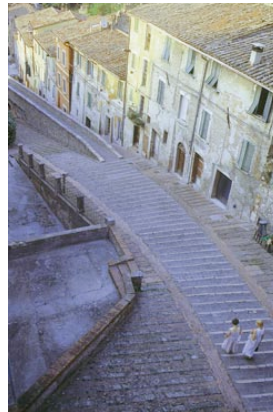
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Venue

Perugia Congress Center
<http://www.perugiacentrocongressi.it/>

Hotel

<http://www.hotelgio.it/eng/home.htm>

Room price:

Jazz area: du 88 euros
Wine area: dus 73 euros

The wide and increasing needs for flexible solutions for environmental, energy, and structural monitoring systems point out the importance of using design methodologies and implementation technologies with high ability of adaptation and evolution. This workshop aims to present and discuss the various technological, methodological and application aspects of complex monitoring systems in the various application areas mentioned above. Papers are solicited on all aspects of environmental, energy, and structural monitoring systems and the related applications, including the following topics:

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| Sensors and instrumentation for monitoring systems | Engineering education in monitoring systems |
| Signal and image processing for monitoring systems | Environmental monitoring |
| Intelligent monitoring systems | Water monitoring systems |
| Wide-area monitoring | Air monitoring systems |
| Communications in monitoring systems | Pollution monitoring |
| Security and privacy in monitoring systems | Agricultural and forest monitoring |
| Fault tolerance, dependability and resilience in monitoring systems | Energy and electrical power systems monitoring |
| Quality of service in monitoring systems | Energy distribution monitoring |
| Safety in monitoring systems | Oil/gas pipeline monitoring |
| Standards for monitoring systems | Structural monitoring |
| Management and operation of monitoring systems | Critical infrastructures monitoring |
| Ethic issues in environmental and energy monitoring | Transportation systems monitoring |
| Software infrastructure for monitoring systems | Monitoring for sustainable environments |
| | Industrial Monitoring Systems |

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