



EnviroInfo<sup>2013</sup> –

## Environmental Informatics and Renewable Energies

27th International Conference on Informatics for Environmental Protection  
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# Proceedings of the 27<sup>th</sup> **EnviroInfo 2013** Conference at the University of Hamburg “Environmental Informatics and Renewable Energies”!

EnviroInfo 2013 is the 27<sup>th</sup> edition of the well-established international and interdisciplinary EnviroInfo conference series on leading environmental IC Technologies under the umbrella of the German Computer Society (GI), to make the world a better place for living. The GI Special Interest Group *Environmental Informatics, Informatics for Environmental Protection, Sustainability and Risk Management* (TC 4.6; see <http://enviroinfo.eu/de/node>) with numerous conferences and workshops has been shaping the Applied Informatics field of Environmental Informatics on a national as well as on the international level since many years.

Our long conference tradition in the field of Environmental Informatics has been initiated as early as 1986 with the foundation of the Technical Committee “Informatics in Environmental Protection” (Environmental Informatics) in the German Society for Informatics (GI). More than 26 years later, 26 yearly EnviroInfo conferences (plus numerous smaller workshops) have been held in seven different European countries (Austria, Czech Republic, France, Germany, Italy, Poland, Switzerland) with approximately 3,500 papers submitted by 8,000 authors published in conference proceedings since the first event in 1986.

The interdisciplinary character of Environmental Informatics brings together experts from research, education, administration, and industry to exchange ideas, challenges and visions. **The 27<sup>th</sup> EnviroInfo conference proceedings contain 117 scientific papers submitted by authors from 25 countries on almost 1000 pages.** The focal conference theme is *Environmental Informatics and Renewable Energies* (with some focus on wind energy); however, beyond that, the full range of cross-cutting topics in Environmental Informatics is covered, including, not limited to:

- Web services for assessment of Resources and Impacts of Renewable Energies
- Smart Grids
- Energy Management
- Green IT
- Life Cycle Assessment and Material Flow Analysis
- Sustainability
- Environmental Management Information Systems
- Open Government Data, Linked Open Data, and eGovernment
- GIS
- Environmental Systems Modelling
- Ecological systems
- Environmental Assessment and Health