



## 5<sup>TH</sup> ITEE SYMPOSIUM

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### 1. ABOUT THE CONFERENCE

The 5<sup>th</sup> International Symposium on Information Technologies in Environmental Engineering **ITEE 2011** was held in Poznan, Poland from 6<sup>th</sup> to 8<sup>th</sup> July 2011. The ITEE symposiums, for over 8 years have provided a forum for discussions on state-of-the-art researches and the latest technological trends. ITEE symposiums aim to bring researchers in academia, industry and government from various countries together to present and discuss how the Information Technologies have evolved enabling science for natural resource management, environmental engineering, scientific simulation and integrated assessment studies. The complexity of natural phenomena require interdisciplinary approaches, where computing science offers the infrastructure for environmental data collection and management, scientific simulations, decision support, documentation and

reporting. Nowadays every area of human activity leaves a footprint on the natural environment. New legal regulations, shifts in consumption patterns and economic crises force companies and other institutions to change their traditional practices to more environmentally friendly ones. In the “new economy”, computing plays an important role in the daily practices of environmental engineers, industrial engineers, economists and social scientists. The complexity of sustainable development requires interdisciplinary approaches. During ITEE 2011 were discussed among computer scientists, environmental engineers, economists and social scientists new paradigms for problem solving and decision making in the area of sustainable development.

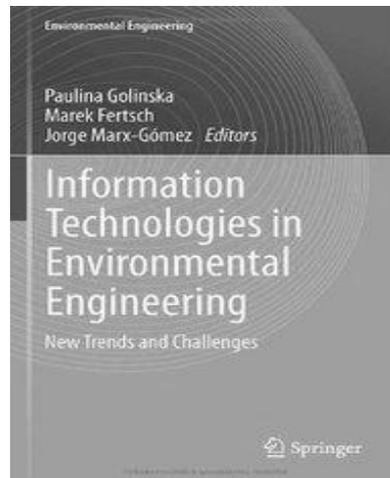
In the conference participated about 70 participants from 14 countries: Austria, Canada, Cuba, France, Greece, Germany, Iran, Macedonia, Spain, Syria, USA, Taiwan, Tanzania and Poland.



**Fig. 1** ITEE2011 participants

## **2. INFORMATION TECHNOLOGIES IN ENVIRONMENTAL ENGINEERING – NEW TRENDS AND CHALLENGES**

The monograph *Information Technologies in Environmental Engineering – New Trends and Challenges* (P. Golinska, M. Fertsch, J. Marx Gomez eds.), which is published by Springer Verlag, contains recent studies in eco-informatics, promising ideas and new challenges in information management for supporting sustainability in companies and other organization. The scope of this book includes sets of solutions which show different stakeholders’ viewpoints on sustainability.



**Fig. 2** Book cover

In individual chapters, authors discuss the role which Environmental Information Systems (EIS) play in the environmental conscious functioning of enterprise. New models, methods and tools supporting sustainability are presented. Emphasis is placed on the innovative approach to eco-friendly organization and coordination of transport, logistics processes and operations management. The information management and decision making in manufacturing and service organizations is highlighted. The scope of this monograph also encompasses topics related to the modelling and monitoring of climate change.