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ICT as Key Technology against Global Warming

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Preface

In 2010, a record 30.6 gigatons of carbon dioxide poured into the atmosphere, the highest carbon output in history. Preventing a temperature rise is the biggest challenge of our time. The ICT sector is a relevant contributor to greenhouse gas emissions and global warming due to its tremendous presence in our everyday life, but it is also a key technology for the fight against global warming in all other sectors. Consequently, reduction of CO₂ emissions in ICT and with the support of ICT is a topic of outmost importance for society and our planet.

The Second International Conference on ICT as a Key Technology Against Global Warming (ICT-GLOW 2012) aimed at providing an interdisciplinary scientific forum for in-depth discussions on the reduction of the carbon footprint in the different sectors including ICT systems themselves. Emphasis within the ICT sector is laid on holistic and far-reaching approaches for green and eco-friendly solutions. The conference aims to bring together researchers and practitioners from multiple disciplines ranging from green maturity models in organizations to system level design and optimization.

The papers presented at this conference were selected after extensive reviews by the Program Committee and associated reviewers. We would like to thank all Program Committee members and the reviewers for their valuable advice, and the authors for their contributions to ICT-GLOW 2012. Special thanks go to Gabriela Wagner for managing the submission and paper production process.

September 2012

A Min Tjoa
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