

JURY NOTES

Paola Carrara and Anna Rampini (ITIM CNR – Milan, Italy)

An event-based archive of soft maps for the analysis of glacier changes

This paper provides a practical application with clear results that effectively highlights the important sustainability issue of *time*, extending well beyond the 100 years for “sustainable data” discussed by Dr. Zehnder in the plenary session. The approach clearly demonstrates the use of information technology to understand events of the distant past with opportunities to project changes into the distant future.

Gregor Durrenberger and Christoph Hartmann (ETH – Zurich, Switzerland)

Modeling regional energy consumption and CO₂ emissions: an information and scenario tool for practitioners

This paper applies information technology to significant *environmental* problem for which solutions are necessary if we are to sustain our planet. The creative approach and tool illustrate the opportunity provided by modeling and innovative thinking to increase our collective understanding and strategic responses to this critical environmental issue.

Klaus Fichter (Borderstep-Institute – Berlin, Germany)

Sustainable business strategies in the Internet economy

This paper emphasizes the opportunities for information technology in the *economic* dimension of sustainability, providing a broadly accessible approach for addressing the important theme of e-commerce. The excellent analysis and discussion of changes in business strategies was effectively presented and engendered considerable interest.

Horace Herring (The Open University – Milton Keynes, England)

The rebound effect: sustainable consumption and electronic appliances

This paper addresses the important phenomenon of *rebound effects* on environmental sustainability. The precision of the scientific method applied, combined with the human element of the conventional presentation, clearly illustrated the opportunities and risks of information technology for sustainability strategies.

Ralf Isenmann (University of Kaiserslautern – Kaiserslautern, Germany)

Basic ethical framework: guidance for environmental informatics toward a sustainable information society

This paper effectively captures the crucial theme of *ethics* and defines well its guiding role in sustainability. The innovative presentation tracks our evolution toward the future that emphasizes the importance of the social dimension in our efforts to become “knowledge giants” and better understand interconnections throughout the global environment.