

Program

Challenges and Opportunities for Sustainability

November 7-9, 2007

Naples, Florida, USA

Conference chairs

Prof. Dr. **Herbert Klapperich**
CiF e.V., Germany

Dr. **Alan Hecht**
Director for Sustainable Development, US EPA, USA

Dr. **Ernst Schwanhold**
BASF, Germany

Technical Co-Sponsors: U.S. EPA UBA CiF e.V.

ECI

Engineering Conferences International

6 MetroTech Center

Brooklyn, NY 11201, USA

Phone: 1-718-260-3743, Fax: 1-718-260-3754

www.engconfintl.org - info@eci.poly.edu

Wednesday, November 7, 2007

17:00 – 18:30 Registration
18:30 – 19:30 Reception
19:30 – 21:00 Dinner
21:00 – 22:00 Social Hour

Thursday, November 8, 2007

08:00 – 09:00 Breakfast

09:00 – 10:00 **Opening and Welcome**

Welcome:

Herbert Klapperich, TU Bergakademie Freiberg & CIF e.V.,
Germany

Ann Gatchette, U.S. EPA, Washington, DC, USA

Doug MacCourt, Ater Wynne LLP, USA

Barbara Hickernell, Engineering Conferences International, USA

Keynote

Arthur H. Purcell, Resource Policy Institute, USA
“The evolution of sustainability: Planning future initiatives”

10:00 – 13:00

Session I: Urban Sustainability

Session Chair: Dietrich Mehrhoff

Keynote Lectures

“US-German bilateral treaty”
Ann Gatchette, U.S. EPA

“Real Estate – Sustainability design and development”
Christopher Kirvan, NEWWORK, Newark, USA

11:00 – 11:30

Coffee Break

Paper Presentations

“The ‘Green Brownfield’ approach – An instrument for
Sustainable land rehabilitation – also by renewables”
Herbert Klapperich, TU Bergakademie Freiberg & CIF e.V.,
Germany

“Environmental due diligence and more”
Dietrich Mehrhoff, Landplus GmbH & CIF e.V., Germany

“Technology for rapid detection of hazards”
Ed J. Bell, Crown Biotechnology Ltd., UK

Special Lecture

“Next generation greener surface active reagents for a sustainable Chemical industry”

P. Somasundaran, S. Lu, Columbia University, USA

Discussion

13:00 – 15:00

Lunch

15:00 – 19:30

Session II: Energy/Renewables

Session Chair: Martin Maslaton

Keynote Lectures

“Policy Tools”

Thomas Hartkopf, TU Darmstadt, Germany

“Current economic and legal developments concerning renewable energies in Germany – Investors view”

Martin Maslaton, Leipzig, Germany

“World trade for climate change”

James Bacchus, Greenberg Traurig, LLP, Washington, DC, USA
(former chairman, WTO)

Discussion

Paper Presentations

“Global Warming: Renewable energy resources an alternative”

V.K. Baipai, National Institute of Technology, Kurukshetra, India

“State-of-the-art research on CO₂ sequestration in Europe – carbon dioxide on residues from coal processing”

Rafiq Azzam, RWTH Aachen & CIF e.V., Germany

United

“US Department of Energy’s carbon sequestration atlas of the

States and Canada”

Timothy R. Carr, Science Applications International Corporation
(SAIC) and West Virginia University, USA

17:00 – 17:30

Coffee Break

“World water – future crisis of today’s challenges”

Yossi Lavi, Netairm Company, Israel

“The waters network: Transforming environmental science and engineering research through an integrated environmental observatory network”

Nick Clesceri, NSF, WATERS Network Project Office, USA

“Energy from hydropower – innovative and regenerative”

Rudolf Pöttler, ILF, Austria

Statement

“The TU Darmstadt energy engineer – A new approach to future Engineering education”

Rolf Katzenbach and Frithjof Clauss, TU Darmstadt, Germany

Podium Discussion

Lessons learned

20:00 – 22:00 Conference Dinner

22:00 – 23:00 Social Hour

Friday, November 9, 2007

08:00 – 09:00 Breakfast

09:00 – 12:00 “Building the high-density sustainable community – connecting Brownfields, green building and transportation”
Doug MacCourt, Aterwynne LLP, USA

“Energy”
Carsten Drebenstedt, TU Bergakademie Freiberg, Germany

Discussion

10:00 – 10:30 Coffee Break

Session III: Geohazards

Session Chair: Rudolf Pöttler

Keynote Lectures

“Geohazards – Cost hazards: A new approach for evaluation of risks in underground structures”
Rudolf Pöttler, ILF, Austria

Paper Presentations

“Framework for evaluating the sustainability of post-tsunami housing Reconstruction projects in coastal fishing villages around the Indian Ocean:
Emily Kunen, Brown University, USA

“A cross hazard approach to sustainable structural design: Lessons from reconnaissance and prescriptive codes”
Mary Beth Oshnack, University of Pittsburgh, USA

Discussion

12:00 – 13:30 Lunch and departure