

FIRST CALL

Welcome to the next biannual conference in
Engineering Education in Sustainable Development, EESD10
Göteborg, Sweden, September, 19-22^d
(+ side event in Stockholm, September 23^d), 2010.

Theme: Learning for transformation

Sustainable development requires a shift towards a society that better addresses basic human needs and the limitations of natural systems. A transformation of e.g. mindsets, educational approaches, societal structures, technical systems and economic accounting methods is needed. Engineering education institutions can play an important role in this transformation and in the sustainable society if sustainable development becomes a framework for a redesign of the structure and goal of organizations and of pedagogical, research and cooperation approaches and methods. This conference addresses the role of engineering education in the learning for the required transformation.

Abstracts

We welcome abstracts from all over the world that share results and experiences from research and development efforts related to engineering education in sustainable development, e.g. on:

- Learning outcomes and competencies, e.g. the relation between program goals, accreditation criteria and societal needs, and assessment of learning
- Teaching and learning activities, e.g. dealing with attitudes and values or with transformative learning,
- Pedagogical approaches, e.g. work integrated learning, network-based learning and problem-based learning
- Curriculum transformation, e.g. embedding of sustainable development
- Professional development of engineers and other groups
- Institutional change, e.g. support, training and other incentives for lecturers, ESD in EMS
- Campus development, e.g. using campus as a lab bench
- Cooperation, e.g. interdisciplinarity, work-integrated learning, entrepreneurship and innovation
- Societal change, e.g. governance, policy instruments, future role of engineering education institutions
- Student involvement, e.g. student initiatives

Contributions must be reflective and analytical and not mere descriptions of performed activities.

We also welcome contributions from external stakeholders, outside of engineering education institutions, e.g. industry, organizations, state and municipal agencies and other academic institutions.

Cost

Participation fee: 350 Euro.

Where

Chalmers University of Technology: <http://www.chalmers.se/en/>
Göteborg, Sweden: <http://www.goteborg.com/en/Header/Map/>
(About Göteborg: <http://www.goteborg.com/en/>)

Side event, Stockholm, September, 23^d

KTH, Royal Institute of Technology, Stockholm: http://www.kth.se/?l=en_UK

Web page

<http://www.eesd10.org/> will continuously be updated.

You will soon be able to register via the web site, upload abstracts etc.

Deadlines

- Abstract due Jan 31st 2010
- Decision March 15th
- Full paper due July 15th
- Conference in Göteborg, September, 19th -22^d (+ side event in Stockholm, September, 23^d)

Organising institutions

Chalmers University of Technology, Göteborg
KTH, Royal Institute of Technology, Stockholm

Previous EESD-conferences

EESD 02

Engineering Education in Sustainable Development
Delft, The Netherlands, 24-25 October 2002
<http://www.odo.tudelft.nl/conference/index.html>

EESD 04

Engineering Education in Sustainable Development 2004
Barcelona 27-29 October 2004
<http://congress.cimne.upc.es/eesd2004/frontal/default.asp>

EESD 06

Engineering Education in Sustainable Development 2006
Lyon 4-6 October 2006
<http://www.eesd2006.net/>

EESD 08

Engineering Education in Sustainable Development 2008

Graz, Austria, 22-24 September 2008

<http://eesd08.tugraz.at/>

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Organizing committee

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- **John Holmberg**, Vice president, Chalmers
- **Marie Arehag**, Coordinator Chalmers Learning Centre
- **Ulrika Lundqvist**, Chalmers
- **Andreas Hanning**, Chalmers Students for Sustainability (CSS)
- **Fredrik Gröndahl**, Royal Institute of Technology
- **Nils Brandt**, Royal Institute of Technology
- **Olga Kordas**, Royal Institute of Technology
- **KTH-student**, Sustainable Engineering Everywhere - KTH (SEEK), Royal Institute of Technology