

Conference: Future Climate - Engineering Solutions

3rd and 4th of September 2009, Copenhagen, Denmark

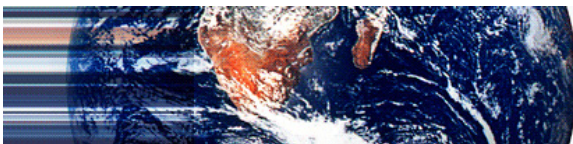
Engineering solutions are essential *if* the world is to build a sustainable climate future. Most of the technologies required to help stop climate changes are already available, while others are yet to be developed.

At the conference engineering associations from 12 countries around the world will present their national climate plans and recommendations for a global climate action plan

The Conference marks the beginning for engineers from all over the world to exchange their knowledge on climate solutions.

Venue

The House of Engineers
Kalvebod Brygge 31-33
Copenhagen, Denmark

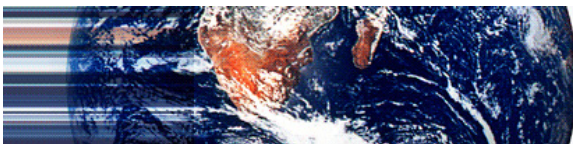


Program 3rd of September 2009

09.00-10.30	Registration and coffee Poster exhibition of the National Climate Plans
10.30-10.40	Welcome Marit Stykket, President of The Norwegian Society of Engineers and Technologists (NITO)
10.40-10.45	Welcome by chair of the day Steffen Kretz, The Danish Broadcasting Corporation
10.45-11.45	Key note: Climate change & the third Industrial revolution Jeremy Rifkin, President of the Foundation on Economic Trends (FOET) and acknowledged author of 17 books. Among these, "The Hydrogen Economy"
11.45-12.15	Key note: Climate Change and the need for action Wanna Tanunichaiwatana, Manager of Technology Programme, UNFCCC
12.15-13.15	Lunch
13.15-15.15	Results of Engineering Solutions and recommendations for the UN COP15 Finland: Merja Strengell, President of TEK Germany: Klaus Riedle, Chairman of the VDI Society for Energy Technology India: Cdr. A. K. Poothia, Secretary & Director General, The Institute of Engineers Ireland: Jim Gannon, Chairman of the Energy and Environment Division, Engineers Ireland Japan: Dr. Mutsuhiro Arinobu, President of The Japan Society of Mechanical Engineers Norway: Marit Stykket, President of The Norwegian Society of Engineers and Technologists Sweden: Ulf Bengtsson, President of The Swedish Association of Graduate Engineers UK: Keith Millard, President of the Institution of Mechanical Engineers Denmark: Lars Bytoft, President of The Danish Society of Engineers USA: Landis Kannberg, Chair of the ASME Climate Change Taskforce.
15.15-15.45	Coffee break
15.45-16.05	Key conclusions of Future Climate and recommendations for the UN COP15 Lars Bytoft, President of the Danish Society of Engineers
16.05-16.35	How can the results be used in the climate negotiation? Alexander Ochs, Director, Forum for Atlantic Climate and Energy Talks (FACET)
16.35-17.35	Panel of COP15 negotiators Discussion about how the National Climate plans and the knowledge of Future Climate can be used in COP 15 negotiations. Denmark: Thomas Christensen, COP15 Financial negotiator, the Danish Ministry of Climate and Energy Sweden: Mr. Lars Grundberg, Ambassador of Sweden in Denmark Japan: Mr. Seiichi Kondo, Ambassador of Japan in Denmark
17.35-17.50	Photo competition – Award ceremony Marit Stykket, President of The Norwegian Society of Engineers and Technologists (NITO)
17.50	Conclusions and closing of the day Ulf Bengtsson, President of The Swedish Association of Graduate Engineers
18.00	Dinner

Program 4th of September 2009

08.30-09.00	Registration and coffee Poster exhibition of the National Climate Plans
09.00-09.05	Good morning Jørgen Henningsen, Senior Advisor for European Policy Centre and member of the Future Climate Advisory Board
09.05-09.30	Key note: Energy Technology Perspectives Cecilia Tam, International Energy Agency, Energy Technology Policy Division
09.30-10.00	Key note: Climate Change and the policy challenges Jacqueline McGlade, Professor and director of European Environmental Agency
10.00-10.30	Coffee break
10.30-12.00	Parallel sessions: Future Climate Engineering Solutions Sector specific presentations of engineers' proposals for national climate plans and promising key technology solutions. Session A: Transportation and mobility Chair: Susanne Krawack, CEO of Trekantområdet Denmark 1) Transportation in a 90% GHG reduction scenario – the UK model by Dr. Brian Cox, Shelford Business Consultants Limited 2) A Danish transport system based on renewable energy—Climate Plan 2050 by Jakob Christensen, Group manager, COWI 3) Perspectives for low emission transport in Norway by Rolf Hagman, Senior Research Engineer, Institute for Transport Economics, Norwegian Centre for Transport Research Session B: Energy systems and production Chair: Rick Thompson, director T-media 1) Sustainable electrical power production in India by Narendra Kumar Bansal, India, Professor, Shri Mata Vaishno Devi University 2) A low carbon energy system in Germany by Professor Klaus Riedle, Chairman of the VDI Society for Energy Technology 3) A blueprint for a clean energy economy in the United States by Rachel Cleetus, Union of Concerned Scientists, USA. Lead author of "Climate 2030 – A national blueprint for a clean energy economy" Session C: Energy efficiency Chair: Tomohiko Sakao, Professor Linköping University 1) Energy reduction potential in Danish housing and buildings by Kurt Emil Eriksen, Active Housing Director, VKR Holding 2) Energy Technology Translation for Industry by Cecilia Tam, International Energy Agency, Energy Technology Policy Division 3) Efficiency improvement in the car industry— Volvo as a case Peter Ewerstrand, The Swedish Association of Graduate Engineers
12.00-13.00	Lunch



Program 4th of September 2009 (continued)

13.00-14.30	<p>Parallel sessions: New climate practices</p> <p>Presentation and discussion of methods and new practices for optimising society's capability to take action</p> <p>Session A: Technology transfer and policy measures for new patterns of energy production and consumption Chair: Rick Thompson, director T-media</p> <p>1) National and transnational policy measures for a low carbon economy by Knut H. Alfsen, Research Director at Center for International Climate and Environmental Research – Oslo (CICERO) 2) Mechanism to support sustainable production in developing countries by Dr. Shalini Sharma, The Institution of Engineers, India 3) Examples of strategies to reduce CO₂ production in U.S. energy use by Deborah Lynn Bleviss, The American Society of Mechanical Engineers</p> <p>Session B: The use of technology scenarios for qualified decision making Chair: Jürgen-Friedrich Hake, Head of Systems Research and Technological Development at Jülich Research Centre</p> <p>1) The use of energy scenarios for energy planning in Denmark by Brian Vad Mathiesen, Associate Professor, Aalborg University 2) The use of technology road maps to guide science and technology policy in Japan by Dr. Yabe, The Japan Society of Mechanical Engineers 3) Addressing uncertainty and diversity in energy technology scenarios by Dr. Dag Martinsen, Jülich Research Centre</p>
14.30-15.00	Coffee break
15.00-15.30	<p>Technology as the common ground in the fight against climate change Rachel Cleetus, Union of Concerned Scientists, USA. Lead author of "Climate 2030 – A national blueprint for a clean energy economy"</p>
15.30-16.10	Conclusions from the sessions
16.10-16.25	<p>Conclusions of the day and the way forward for Future Climate – Engineering Solutions By chair of the day, Jørgen Henningsen</p>
16.25-16.30	<p>Closing of the conference Lars Bytoft, President of the Danish Society of Engineers</p>
16.30	Reception

Conference prices

200 Euro (1.500 DKK) for members of IDA and project partners

230 Euro (1.700 DKK) for others

100 Euro (750 DKK) for students

For more information and registration

Visit our website www.futureclimate.info or contact Helle Borch by e-mail: hbo@ida.dk