

SUSTAINABLE ETHANOL...

*... for sustainable transport systems
– today and tomorrow*

Monday 26'th of May 13.00-18.00

Chalmers University, Gothenburg

RunAn at Kårhuset – see enclosed map

PROGRAM

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|-------|---|
| 13.00 | Welcome and introduction |
| 13.05 | Global oil supply today and the next five to ten years.
<i>Kjell Aleklett, professor Uppsala University and founder of Studies of Peak Oil</i> |
| 13.25 | Climate change and the need for sustainable biofuels.
<i>Johan Rockström, Executive Director of Stockholm Environment Institute (SEI) and Stockholm Resilience Center</i> |
| 13.50 | Vulnerability of the transport sector and the development of sustainable ethanol for sustainable transport systems.
<i>Per Carstedt, Chairman BioAlcohol Fuel Foundation BAFF and CEO of the SEKAB Group</i> |
| 14.20 | Ethanol in combination with energy efficiency for gasoline engines.
<i>Kjell ac Bergström, Director of Powertrain, Saab Automobile</i> |
| 14.35 | Ethanol in combination with energy efficiency for diesel engines.
<i>Björn Westman, Senior Vice President, Engine Development, Scania</i> |
| 14.50 | Break |
| 15.20 | Global biomass potentials.
<i>Göran Berndes, Assistant Professor Department of Energy and Environment, Physical Resource Theory, Chalmers University</i> |
| 15.40 | Global development of cellulose ethanol and Swedish progress.
<i>Sune Wännström, Director R&D, SEKAB E-Technology</i> |
| 16.00 | Major national development program for cellulose ethanol in USA.
<i>Paul Dickerson, U.S. Department of Energy</i> |
| 16.20 | Brazilian ethanol industry developments. Sugarcane ethanol today and tomorrow.
<i>Marcos Jank, Chairman of UNICA – Brazilian industry association for sugarcane growers</i> |
| 16.50 | Presentation of the first global initiative for verified sustainable ethanol. A unique bilateral cooperation between Sweden and Brazil.
<i>Anders Fredriksson, General Manager SEKAB BioFuels&Chemicals</i> |
| 17.10 | What roles can Sweden, Brazil and USA play as international role models for the global development of sustainable ethanol systems?
<i>Panel with all the speakers of the day</i> |
| 17.30 | Cocktails and snacks |

This seminar is free of charge but requires pre-registration.

Register with karin.sandstrom@baff.info

SUSTAINABLE ETHANOL

Speakers



Kjell Aleklett is Professor of Physics at Uppsala University, Sweden and Leader of Global Energy Systems Research and the Uppsala Hydrocarbon Depletion Study Group. He holds a Doctorate Degree from the University of Gothenburg, Sweden and worked as a Post-Doctoral Staff Scientist, 1977-85, at the Natural Science Laboratory at Studsvik, Sweden. In 1986, Kjell was appointed Associated Professor at Uppsala University and later as full Professor. In 1978-79 and again in 1983, he was invited to work with Nobel Prize winner Glenn T. Seaborg, in the Lawrence Berkley Laboratory, University of California, USA. Kjell's interest in the global energy situation started in 1995 and has since then grown dramatically. He organized the First International Workshop on Oil Depletion in May 2002 at Uppsala University. Since 2003, he is president for ASPO, the Association for the Study of Peak Oil & Gas. In 2005 he was asked to give a testimony on peak oil before the House of Representatives Subcommittee on Energy and Air Quality and in 2007, asked by OECD to write a report about: Peak-Oil and the Evolving Strategies.



Johan Rockström is associate professor in natural resources management at Stockholm University and executive director of Stockholm Environment Institute (SEI). He has twelve years of research and development work in developing countries, with more than 40 scientific publications in areas of water resource management, agricultural development, environmental management, systems research and resilience research. He has served as regional advisor to the Regional Land Management Unit (RELMA) of Sida, Sweden's development agency. He has contributed to the management and strategic planning of WaterNet, a regional capacity building programme on Integrated Water Resource Management (IWRM) in Southern Africa, as well as 40 higher-learning and research institutions in 12 countries. He is coordinator of several national and regional research and development projects linked to the Global Water Partnership, the Global Dialogue on Water for Food and Environmental Security, and the Resilience Alliance. He serves on the Steering Committee of the Comprehensive Assessment on Water Management in Agriculture, and the African Conservation Tillage Network. He has carried out research activities on agricultural water management and watershed management in several countries in sub-Saharan Africa.



Per Carstedt is since 1997 the chairman of the BioAlcohol Fuel Foundation, BAFF and since 2006 the CEO of the SEKAB group. BAFF is a non-profit organisation, established in 1984, with focus on the entire process of developing and implementing large-scale production and usage of bioethanol within the transport sector. Over the years BAFF has been supported by private industry, governmental bodies and regional governments. The SEKAB group is the largest provider of Brazilian ethanol to the European market, largest developer of bioethanol projects in Africa and the major developer of cellulose ethanol in Europe. Mr Carstedt has a Masters Degree in Business Administration from the University of California, Berkeley. His professional background is from the automobile industry, Apple Computers in USA and AGA industrial gases in Brazil. He has been active in the international development of biofuels for transport since 1995.



Sune Wännström is Director of Research at SEKAB. He has a PhD in Wood Chemistry and more than 20 years experience from Pulp and Paper Industry R&D before joining SEKAB in 2006.



Göran Berndes is a senior researcher at Physical Resource Theory, Department of Energy and Environment, Chalmers. Dr. Berndes research concerns the societal use of energy and materials, in particular the use of biomass for food, energy and materials purposes. Important focuses have been land use issues and climate change mitigation strategies in the transport and energy sectors, involving long-term energy system modeling; systems analysis (e.g., WtW and LCA) and materials/energy flows analysis at scales ranging from case studies to the global perspective; bioenergy and C sink systems characterization regarding climate benefits, land and water resources requirements, socioeconomic aspects and potential interactions (e.g., competition and displacement vs. integration) with other land and biomass uses. Member of European Biofuels Technology Platform, WG4: Sustainability, The development platform "Transport" established by the Swedish Energy Agency, The scientific board of Chalmers Centre for Energy Studies. Chairman of working committee on strategic issues within the 2006-2010 Biofuel research programme at the Swedish Energy Agency. International Task Leader for IEA Bioenergy Task 30 for the triennium 2007-2009.



Paul Dickerson was appointed by President George W. Bush to serve as Chief Operating Officer of the Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE). In this capacity, Dickerson is responsible for day-to-day operational oversight and management of the Office of the Assistant Secretary and for directing the implementation of the EERE priorities, policies, program development and execution, and strategic planning. With its \$1.74 billion budget, EERE invests in a diverse portfolio of energy technologies to provide efficient, clean and renewable energy leading toward a stronger economy, a cleaner environment, and greater energy independence for America.



Marcos Jank, was appointed to serve as President & CEO of UNICA on June of 2007. Previously, from 2002 to 2007, he founded and led the Brazilian Institute for International Trade Negotiations (ICONE), a leading Brazilian think-tank on trade policy issues. His additional international experience includes serving as a Special Expert in Integration and Trade at the Inter-American Development Bank (IDB), in Washington, DC from 2001-2002. Mr. Jank also consulted and conducted research projects with the World Bank, OECD, FAO, UNDP, the Hewlett Foundation, the Swiss Agency for Development and Cooperation, the German Marshall Fund of the United States, the UK International Cooperation Department (DFID), and other international organizations. In 1999 Mr. Jank served as Special Counselor to the Minister of Development, Industry and Trade of Brazil.

Kjell ac Bergström, Director of Powertrain, Saab Automobile
Tba

Björn Westman, Senior Vice President, Engine Development, Scania
Tba

Anders Fredriksson, General Manager SEKAB BioFuels&Chemicals
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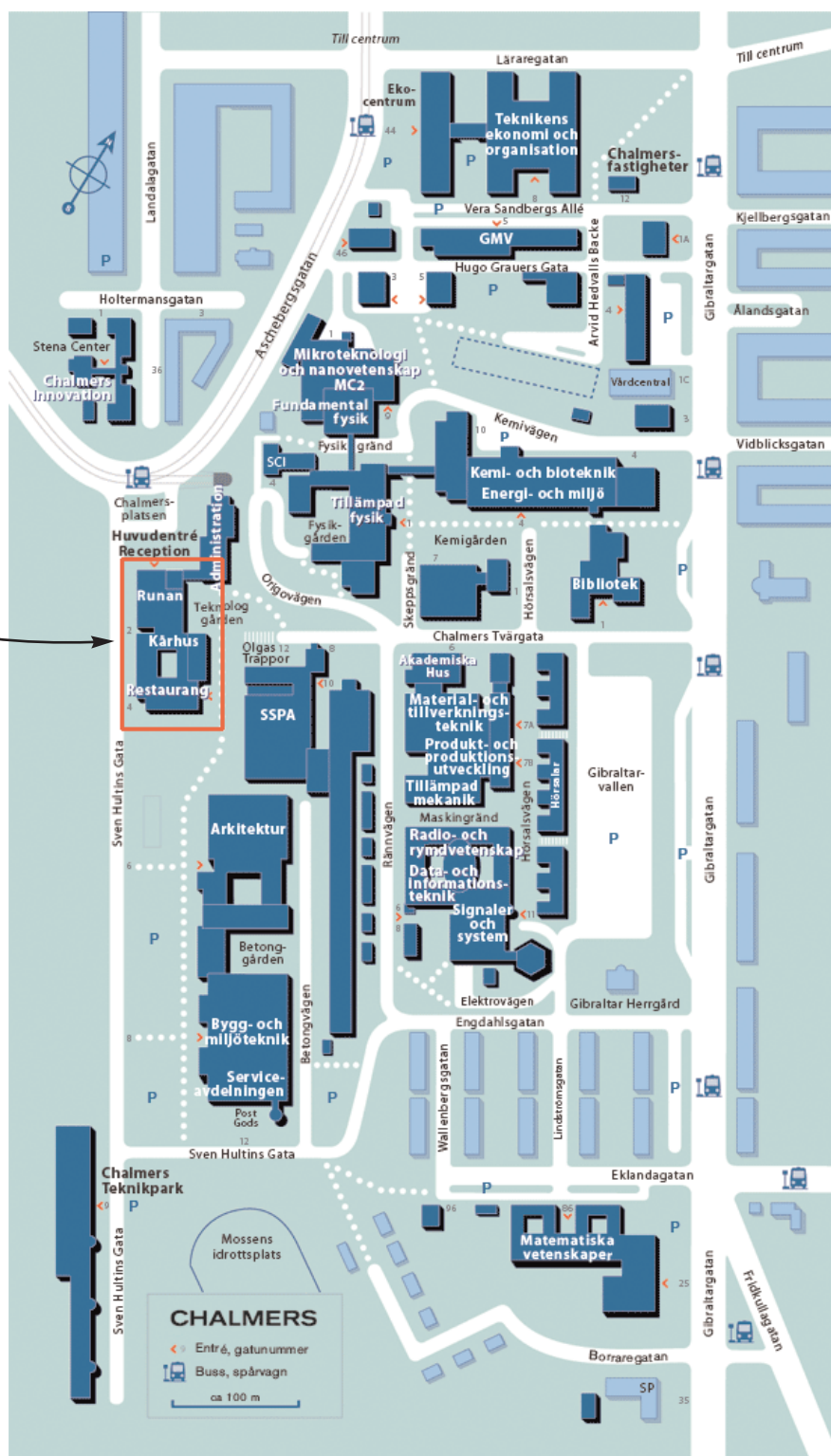
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