

Speakers and contributions

Ir. R. Willems, chairman Taskforce Energytransition, president-director Shell Nederland. More people, more wealth, increased energy demand, but in that same mid-term future the end of 'easy oil' is coming near. So the challenge is to find new sustainable resources whilst at the same time reducing the environmental footprint of existing energy techniques. 'Firing from all barrels' will be essential to master this transition period.

Dr. A.B.M. Hoff, director of ECN, Energy Research Centre, Petten, the Netherlands. Will cover the strategy, technology and policy developments required to ensure a sustainable (energy) future for the process industry. The role and strategy of ECN as a technology developer and provider will be discussed and examples will be presented of short term implementations and long term developments.

Alan J. Gow, Global Director Huntsman Polyurethanes, Everberg, Belgium. Portfolio and classification of process intensification projects and the management thereof. Link to the theme of Energy & Resources, "helicopter" insight into some key projects, management of trials and introduction of new technology within running plants, collaboration with third parties.

H.T. Kohlbrand PhD, Director Engineering & Process Sciences Dow Chemical USA. Dow's positioning on energy (vision and strategy) as an example of what one of the two largest chemical companies in the world is doing with examples of programs and products that address energy needs. The impact that process intensification and process synthesis will have on chemical processes in the future.

Dr. J. van Breugel, manager of PURAC Innovation Centre for Operations, Gorinchem, the Netherlands. Short term solutions in energy use, hurdles in deploying new technologies and a role for public authorities. Cases: integration between carbohydrate mill and a lactic acid plant; energy opportunities in a lactic acid plant; energy and resource integration opportunities in PLA chain.

Dr. W.H. Hesselink, Regional Manager Chemistry and Process Development, Shell Global Solutions International, Amsterdam, the Netherlands. Innovation in the Chemical Process Industry: small steps with large impact. The strategic drivers for the Shell Downstream business (refining and chemicals) and a number of examples of projects and developments leading to reduced consumption of energy and resources.

Dr.ir. P.M.M. Nossin, "Innovation and Sustainability" Project Manager of the Corporate Department of DSM, Geleen, the Netherlands. White Biotechnology – a key growth platform for sustainable development. Sustainability is promoted in two ways: by supplying products enabling other businesses in the value chain (customers and end users) to contribute towards sustainable performance and by manufacturing products in a sustainable way.

Ir. F.L.T. Hoffmans, director Oostendorp Apparatenbouw, Tiel, the Netherlands. A supplier of all kinds of pressure vessels for the (petro) chemical and offshore industry. Continuous and flexible strategy is needed to supply our customers on time in full. Long term relationships, continuous improvement of the supply chain, the impact of the non-ferrous metal trading, labour costs and highly skilled dedicated employees.

Prof.dr.ir. J.A.M. Kuipers, scientific director of IMPACT, chair Fundamentals of Chemical Reaction Engineering, University of Twente. Introduction of the new program of IMPACT and focus on the strategic research orientation for Sustainable Energy.

Location of symposium:

University of Twente
Building 'De Waaier'
Building 12
Drienerlolaan 5
7522 NB Enschede

Route description: www.energy-resources.nl
Public transport by train, railway station Drienerlo,
10 min walk to the University

Car park available

Contact and Information:

University of Twente
IMPACT, Institute of Mechanics, Processes and Control
Symposium 'Energy & Resources'
P.O. Box 217
7500 AE Enschede

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Organizing committee:

Prof.dr.ir. H. van den Berg - University of Twente
Dr. S.R.A. Kersten - University of Twente
Ir. H.N. Akse - Traxxys



University of Twente
The Netherlands

IMPACT Energy & Resources Symposium



April 13, 2007
Enschede, The Netherlands

Organized by IMPACT



Program

- 9.00 Registration, coffee/tea and krentenwegge
- 9.30 Opening by Prof.dr.ir. J.A.M. Kuipers, IMPACT, University of Twente
- > Dr. A.B.M. Hoff, ECN Petten
"Energy, environment & the process industry"
 - > Alan J. Gow, Huntsman Polyurethanes
"Process Intensification within Huntsman Polyurethanes"
 - > H.T. Kohlbrand PhD, Dow Chemical USA
"Vision and strategy on energy, impact of process synthesis on chemical processes in the future"
- 11.15 - 11.45 Break
- > Dr. J. van Breugel, Purac
"Solutions in energy use, hurdles in deploying new technologies and a role for public authorities, illustrated in examples"
 - > Dr. W. Hesselink, Shell Global Solutions International
"Innovation in the Chemical Process Industry: small steps with large impact"
- 12.45 - 14.00 Lunch + posters of Twente PhD research
- > Dr.ir. P.M.M. Nossin, DSM Geleen,
"White Biotechnology – a key growth platform for sustainable development"
 - > Ir. F.L.T. Hoffmans, Oostendorp Apparatenbouw
"Ready for the next challenge"
 - > Prof.dr.ir. J.A.M. Kuipers, Impact research
 - > Ir. J. Willems, Taskforce Energytransition
Presentation "Firing from barrels" + overview and conclusions
- 16.15 Get-together
- Symposium chairman: Frénk van der Linden

The Chemical Industry led by Energy & Resources?

- > In what ways is your work in the area of management and technology affected by the major changes that are taking place in the world of Energy and Resources?
- > How can you personally contribute?
- > How does your company adapt its strategies to deal with the impact of these changes on its daily business?
- > How does your research institute manage to refocus on those technologies that need development in view of the changes mentioned?

The research institute IMPACT of the University of Twente has prepared a one-day symposium to help you finding answers to these questions. We invite you as an engineer, a project leader or manager in the process industry, R&D institute and academia to join this day, to contribute and to learn from each other.

Renowned speakers from both the process industry and knowledge institutes will present to you how they modify and adapt their strategies to deal with the issue of energy and resources. They will give practical examples of technological as well as strategic solutions.

IMPACT will show its research program on sustainability to inform you and to trigger a discussion on how technology can play its role.

The chemical industry and research institutes are to a substantial extent "fuelled" by the global challenge for existing and future generations: the sustainability for raw materials and energy, the reduction of emissions and the spread of wealth between rich and poor nations. Undoubtedly, you, your company, your institute have a role to play!

We are confident to have an interesting Symposium during which chairman Frénk van der Linden most inspiringly will guide and challenge both speakers and audience to find satisfying answers.

We look forward to welcome you on April 13th 2007!

Registration form

To registrate your participation of this symposium, please send this form to: University of Twente, IMPACT, Symposium 'Energy & Resources', P.O. Box 217, 7500 AE Enschede, The Netherlands, or fill in the registration form at the website: www.utcongress.nl

Participant:

Surname

First name Title

Company/Organisation

Address

..... Town

Post/Zip Code Country

Telephone Fax

Registration:

I will attend the conference Energy and Resources on April 13th 2006, Fee 150 Euro

Payment:

Please tick Credit card or Bank transfer

Bank transfer
Bank ABN-AMRO Zwolle, Account nr. 54.13.93.677
IBAN code: NL79ABNA0541393677
Account name: University of Twente/CTW, Please mention: Energy day

Visa
 Eurocard/Mastercard
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Card validity code

Card holders address:

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Date: Signature: