

An Innovative Truth IV

Following the successful conferences An Innovative Truth I (June 22, 2009), An Innovative Truth II (15 September 2010) and An Innovative Truth III (22 June 2011) Smart Energy Collective, IIP Duurzame ICT Foundation – platform for sustainable ICT and GreenICT Foundation organize An Innovative Truth IV - Sustainable ICT & Energy Conference.

An Innovative Truth IV is an energizing and involvement stimulating conference on the themes of Sustainable ICT and

An Innovative Truth IV - The background

In August 2008, GreenICT Foundation and the Ministry of Economic Affairs (EL&I) took the initiative to organize an energizing conference to promote energy efficiency and sustainable ICT. This initiative resulted in three successful An Innovative Truth conferences, including contributions from the Ministry of Economic Affairs (EL&I) and the European Commission, on 22 June 2009, 15 September 2010 and 22 June 2011. The conference website - aninnovativetruth.nl - provides a proper impression of these conferences regarding content, programs, objectives and results.

The previous editions of An Innovative Ttruth were organized by the Ministry of Economic Affairs, Agriculture & Innovation, the ICT Innovation Platform for Sustainable ICT (IIP Duurzame ICT Foundation) and GreenICT Foundation. They persuaded top speakers to contribute to An Innovative Truth. In 2009 the then Staatsscretaris Frank Heemskerk and Linda Mauperon

Energy. An Innovative Truth IV - Sustainable ICT & Energy Conference - takes place at 20 June 2012 in the Beatrix Theatre in Utrecht, The Netherlands.

An Innovative Truth IV - Sustainable ICT & Energy Conference is initiated by GreenICT Foundation and is made possible by financial contributions of Smart Energy Collective and Alliander.

cabinet member, replacing Eurocommissioner Vivian Reding, attended as keynote speaker. The then Director-General Energy and Telecom Mark Frequin acted as chair of the day. In 2010 Hans Vijlbrief Director-General Energy, Telecom and Markets attended as keynote speaker.

Partly based on the outcomes and results of previous editions An Innovative Truth IV will also be a follow-up. This conference will look back, but mostly generate new activities and partnerships.

An Innovative Truth IV is a non-commercial conference. The purpose of this conference is to stimulate mutual cross-fertilizations between science, government and business (suppliers and users) in the area of sustainable ICT & Energy, and because of this to promote scientifically challenging and commercially interesting innovation and research.

The Battle - debate on sustainable ICT & Energy

The Battle is the plenary debate among representatives of science, government and business (ICT suppliers and users). During the debate these four stakeholder groups confront each other with their questions and concerns. Thoughtful and respectful, but also provocative and sharp. The four stakeholder groups each are represented by a spokesman.

As in previous editions of An Innovative Truth in 2009, 2010 and 2011, this year the debate will be led by Roderik van Grieken, director of the Nederlands Debat Instituut.

The PhD research poster presentations

The organization of the An Innovative Truth IV - conference distinguishes the societal importance of scientifically challenging and - applicable thus - commercially interesting research and innovation. Using poster presentations by PhD students, the organizers aim to bring scientific research in the field of sustainable ICT & Energy to the attention of a wider audience, and in particular the conference attendees. For this exhibition space is provided in the Constantijn Foyer.

PhD students engaged in research in the cross-over field of ICT & Energy, ICT & Sustainability and Sustainable ICT, are cordially invited to present their research topic and results during the conference and to discuss these with the interested audience.

In line with the structure of the programme, the organization strives for a balanced and objective composition of the presented posters. It would the best to provide all PhD research in this field a presentation opportunity. Because of the limitation of available space, this isn't possible. Research groups, interested in participation, are asked to make a selection of one or possibly two posters.

Interested PhD students and professors with PhD students active in one of the above mentioned areas, can contact the conference organization via www.aninnovativetruth.nl.

Programme

The program includes among others various plenary keynote presentations, theme related workshop sessions, practical cases and a plenary debate between representatives of science, government and business. The indicative program of An Innovative Truth IV on June 20, 2012 is as follows:

09.15 - 09.45 Welcome & Information Market

09.45 - 09.55 Opening by chair of the day Roderik van Grieken - Nederlands Debat Instituut

09.55 - 10.20 Keynote I

10.20 - 10.45 Keynote II

10.45 - 11.10 Keynote III

11.10 - 11.30 Break & information market

(including poster presentations by Ph.D students)

11.30 - 12.30 The Battle, debate among representatives of science, government and business

12.30 - 13.30 Lunch & information market

(including poster presentations by Ph.D students)

13.30 - 14.10 Workshop Sessions Round I

14.10 - 14.15 Possibility to change theme room

14.15 - 14.55 Workshop Sessions Round II

14.55 - 15.15 Break & information market

(including poster presentations by Ph.D students)

15.15 - 15.55 Workshop Sessions Round III

15.55 - 16.00 Possibility to change theme room

16.00 - 16.25 Practice makes Perfect - practical cases

15.55 - 16.00 Continuation plenary program

16.30 - 16.55 Keynote IV

16.55 - 17.00 Wrap-up and closure by chair of the day Roderik van Grieken

17.00 - 18.00 Networking drinks

* Because of a possible fifth keynote speaker, the program may be subject to change.

The Conference speakers

The programme will include four plenary keynotes by among others Thijs Aarten - CEO DNV KEMA Energy & Sustainability and René Steenvoorden - CIO Rabobank & President CIO Platform. It also includes workshop sessions and a plenary debate among representatives of science, government and the ICT supplying and applying business. In line with previous editions, this year all speakers and track leaders are top ambassadors for the respective themes.

Speakers who already confirmed their contribution include Steven Luitjens - Director Logius, Frits Verheij - Director smart energy DNV KEMA & leader Smart Grids (Top sector Energy), Prof. Erik Huizer - Director technology SURFnet &

Professor UU, Ad Schoof - Secretary topteam Energy Ministry of Economic Affairs, Agriculture and Innovation, Prof. Ton Koonen - Professor Eindhoven University of Technology, Teun Bokhoven - Director ZEN Renewables & leader Energy in the built environment (Top sector Energy), Prof. Hester Bijl - professor Delft University of Technology & director Delft Energy Initiative, Henk van Elburg - programme coordinator monitoring energy smart meter Agentschap NL, René Steenvoorden - CIO Rabobank & Chairman CIO Platform, Rens Knecht - Director Netbeheer Nederland, Wim Berns - Sector Manager Climate & Built Environment Agentschap NL, Marianne Kuijpers-Linde - Director urban development TNO, Prof. Johann

Hurink - Professor University of Twente, Edwin Zoontjes Manager - ICT ~ Milieu (ICT ~ Office), Marga Blom - Manager KPN Energy Management Group, Meiny Prince - Priva CEO, Prof. René Janssen - professor Eindhoven University of Technology, Coks Stoffer - General Manager Cisco Netherlands, Albert Molderink - Postdoc researcher University of Twente, Renzo Taal - Senior Vice President & General Manager EMEA Philips Lighting, Leendert Jan de Olde - senior manager Sustainability Philips Consumer Lifestyle and Thijs Aarten - DNV CEO KEMA Energy & Sustainability.

Roderik van Grieken - Director Nederlands Debat Instituut will act as conference chairman.

The thematic tracks

The workshop sessions are divided into four parallel thematic tracks. As with previous editions, these parallel tracks fit seamlessly with the current Top sector policy. Each track consists of three workshop rounds. In between rounds there is a possibility to change tracks.

The four parallel workshop themes are:

- Top sector Energy & ICT
- Smart Grids
- ICT & Energy in built environment
- ICT & materials

The theme tracks are led by expert track leaders as Ad Schoof - Secretary Top Team Energy Ministry of Economic Affairs, Agriculture and Innovation (track Top sector Energy & ICT), Frits Verheij, director smart energy DNV KEMA and leader Top sector Energy theme Smart Grids (track Smart grids) and Teun Bokhoven - Director ZEN Renewables and leader Top sector Energy theme Energy saving in the built environment (track ICT & Energy in the built environment).

The organization

An Innovative Truth IV - Sustainable ICT & Energy Conference is a co-operation of Smart Energy Collective, IIP Duurzame ICT Foundation - Platform for Sustainable ICT and GreenICT Foundation.

Besides the project organizers, Smart Energy Collective, IIP Duurzame ICT Foundation - Platform for Sustainable ICT and GreenICT Foundation, partners involved include the Ministry of Economic Affairs, Agriculture & Innovation, Alliander, AgentschapNL, DNV KEMA Energy & Sustainability, CIO Platform, Philips, Nederlands Debat Instituut, ICT ~ Office, NIRICT (the 3 TUs), NWO, KPN, Microsoft, TNO, STW, Cisco, TTA World, Netbeheer Nederland and the European Commission. An Innovative Truth IV - Sustainable ICT & Energy Conference is an initiative of GreenICT Foundation and is supported financially by Smart Energy Collective and Alliander.



The transition to a sustainable society, where we can share prosperity without leaving a footprint in the earth ecosystem, requires a turnaround in technological solutions used for providing energy, clean water, food and health care. New technologies need to be developed for energy supply using distributed generation of power from sustainable sources as sun, wind and water to balance supply and demand.

The current Top sectors policy aims at establishing public-private partnerships for commercial exploitation of knowledge gained through scientific research. Making the potential of Dutch scientific research clearly visible to business organizations is crucial therefore.

An Innovative Truth IV is the meeting place for the stakeholders involved: science, government and business. Next to the oral presentations by distinguished speakers, poster presentations by PhD students will call attention of business and government to the scientific capabilities.

Prof. dr. ir. T. Backx

*Dean Faculty of Electrical Engineering
Eindhoven University of Technology*



The potential of ICT to not only enable a leap in reducing carbon emission but also in making a step change towards a sustainable society and economy is enormous. In order to realize this potential two aspects are paramount: The first - driving innovation that has impact not only in the future but also in the present. The second - applying and scaling existing innovation broadly. This is only possible through true connection of disciplines and competences.

An Innovative Truth IV fosters exactly that - true value creation through bringing together science, business (ICT and energy suppliers and users) and government. In order to accelerate impact together.

Sabine Hess

*Environmental Sustainability Lead
Microsoft Netherlands*



The increasing demand for electricity in combination with the rising supply of decently generated energy makes innovation of the electricity grid essential. Smart grids with ICT applications offer opportunities for energy transition at reasonable cost. However only if we succeed to establish co-operation in the chain from supplier to buyer. Scientific research, government, industry and network operators need to create forces to work collectively to find solutions to the dilemmas we're facing. This is to keep energy supply affordable, safe and reliable in the future. So not only smart grids, but above all smart networks!

Rens Knecht

CEO Netbeheer Nederland



AN INNOVATIVE TRUTH IV
SUSTAINABLE ICT & ENERGY CONFERENCE