



33rd Conference of
Rectors and Presidents of
European Universities of Technology

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Universities' Role and Ability to Handle Grand Societal Challenges

September 19-20, 2014

Final Programme
(140919)

2014 Conference Host:
Prof. Karin Markides
President and CEO
Chalmers University of Technology

Conference Venue:
Chalmers University of Technology
Hall of Palmstedt, Chalmers Union House (Chalmers Kårhus), Chalmersplatsen 1.
Gothenburg, Sweden

Invitation to the 2014 Conference at Chalmers University of Technology, Gothenburg, Sweden

Dear colleague,

We cordially invite you to the 2014 Conference of Rectors and Presidents of European Universities of Technology. European policy priorities towards 2020 focus on grand societal challenges and, thus, address areas of citizen's concern in Europe but also in other parts of the world. A challenge based or problem oriented approach calls for new arrangements in education, research and innovation bringing together knowledge resources and competences across different fields, technologies and disciplines including social sciences and humanities. Thus, the grand societal challenges present also challenges for universities that have to change their ways of working and to overcome traditional structures for coping with interdisciplinary problems.

Keynote speakers will discuss the Conference topic from different perspectives and university leaders will present the approaches they are following coping with grand challenges in order to offer state of the art curricula, deliver sustainable research results and contribute to innovative solutions that are beneficial for society.

General background of the conference:

Following a joint initiative of the rectors of Vienna University of Technology and RWTH Aachen University, this conference has been started in 1980 with the aim to establishing a forum for top representatives of leading engineering universities in Europe for

- discussing topics of major common concern, that are not discussed in other fora,
- identifying differences and commonalities of existing solutions to problems of common interest,
- developing new ideas and - if appropriate - preparing recommendations on specific topics, and
- forming a 'think tank' for the future development of the universities of technology in Europe.

As an informal grouping the conference has no formal international or European organisational structure.

Discussions at the 2014 Conference will address issues such as:

- Sustainability - a core in engineering education
- Open access and development meet at research infrastructures
- Responsibility to integrate basic and applied science
- Incentives for cross-discipline inspiration for students and researchers
- Embedded Knowledge Triangle in practice

We are looking forward meeting you at Chalmers University of Technology in September 2014.

President & CEO Prof. Karin Markides
2014 Conference Host

Prof. Manfred Horvat
Conference Coordinator

Programme, Day 1

September 19, 2014

- 09:30 **Bus Pick-up at hotel Gothia Tower for Campus Lindholmen**
- 10:00 - 12:00 **Visit to Campus Lindholmen, Chalmers University of Technology**
For details see Social Programme, page 6
- 12:15 - 12:45 **Bus pick-up at hotel Gothia Tower for the university**
- 13:00 - 13:30 **Arrival and registration of participants at the Conference site**
Light Lunch
Accompanying persons' departure for afternoon programme
- 13:30 – 14:00 **Welcome by the host and Official Opening**
Karin Markides, President and CEO, Chalmers University of Technology
- Opening keynote speech**
Lars Hjalmered, Member of the Swedish Parliament, representing Gothenburg
- 14:00 - 14:10 **Introduction to the 2014 Conference theme**
Manfred Horvat, Conference Coordinator
- 14:10 - 15:30 **Keynote speeches 1**
- The challenge of addressing Grand Challenges**
Stefan Kuhlmann, Professor of Foundation of Science, Technology and Society, University of Twente, The Netherlands
- Innovation management coping with Grand Challenges**
Erkki Ormala, Professor of Practice, Innovation Management, Department of Management Studies, Aalto University, Finland
- 15:30 - 16:00 **Break**
- 16:00 - 17:30 **Keynote speeches 2**
- Challenges for European Research and Innovation 2014-2020**
Peter Churchill, Advisor on Scientific Development to the Director General, Joint Research Centre, European Commission
- Industry addressing Grand Challenges**
Håkan Samuelsson, CEO, Volvo Cars Corporation, Sweden
- Chalmers University of Technology addressing sustainability and societal challenges**
Karin Markides, President and CEO, Chalmers University of Technology
- 17:30 -18:00 **General Discussion and Conclusions of Day 1**
- 20:00 **Conference Dinner**

Programme, Day 2

September 20, 2014

Universities' Role and Ability to Handle Grand Societal Challenges by Education, Research and Innovation Examples and experiences

08:15 **Bus Pick-up at hotel Gothia Tower**

09:00 - 10:30 **Session 1**

09:00 - 09:15 **Development of the scientific park "Kievskaja polytechnika" as the
integral innovative component of a modern technical university**

Michael Zgurovsky, Rector, National Technical University of Ukraine - Kiev
Polytechnic Institute, Ukraine

09:15 - 09:30 **UPM addressing grand challenges**

Narciso García, Vice-rector for International Relations, Technical University of Madrid
(UPM), Spain

09:30 - 09:45 **Discussion**

09:45 - 10:00 **Promoting interdisciplinary research at the Technion**

Wayne Kaplan, Vice-President for Research, Technion - Israel Institute of Technology,
Haifa, Israel

10:00 - 10:15 **Unavoidable challenge: from regional activity to global reach**

Stanislaw Bielecki, Rector, Lodz University of Technology, Poland

10:15 - 10:30 **Discussion**

10:30 - 11:00 **Break**

Session 2: next page

Programme, Day 2 (continued)

September 20, 2014

Universities' Role and Ability to Handle Grand Societal Challenges Examples and experiences

11:00 - 12:30 Session 2

11:00 - 11:15 EuroTech Universities' Green Tech Initiative

Henrik Caspar Wegener, Provost, Executive Vice President, Danish Technical University, and Chairman of the Board, EuroTech Universities

11:15 - 11:30 A cluster model for university-industry collaboration in research and innovation

Sir Jim MacDonald, Principal and Vice-Chancellor, University of Strathclyde, United Kingdom

11:30 - 11:45 Discussion

11:45 - 12:00 University role in Smart Specialisation Strategy – a Slovak lesson learned

Robert Redhammer, Rector, Slovak University of Technology in Bratislava (STU)

12:00 - 12:15 EIT initiatives and approaches towards addressing Grand Challenges

Peter Olesen, President of the Governing Board, European Institute of Technology (EIT)

12:30 - 12:45 Discussion

12:45 - 13:00 Final general discussion and conference conclusions

13:00 - 13:15 Outlook to the 34th Conference

- Tuula Teeri, President, Aalto University, Finland
- Manfred Horvat, Conference Coordinator

13:15 - 13:30 Conference closing

- Karin Markides, President and CEO, Chalmers University of Technology, Sweden

13:30 - 14:15 Light buffet lunch

Bus Pick-up to social programme: Excursion and informal farewell dinner (details see page 6)

Social Programme on September 19-20, 2014

September 19, 2014

Morning Programme:

09:30: Bus Pick-up at hotel Gothia Tower

Visual Arena, Campus Lindholmen

<http://visualarenalindholmen.se>

Presentation of Lindholmen Science Park by Niklas Wahlberg, CEO

Presentation by Prof Jan Bosch, Head of Software Centre (t.b.c.)

Presentation of Visual Arena by Mia Leterius

Presentation of research regarding visualization by Prof. Monica Peterson Billger

Lunch will be served at Kuggen, Chalmers newest building at Lindholmen

Bus directly to Chalmers Union house

(For participants already checked in the Conference hotel bus transfer will be provided)

Accompanying persons' afternoon programme:

13:30: Departure from the university. Short walk to the Museum of Art

Guided Tour: Museum of Art

Own time: Röhsska Museum of Design, Fashion and Decorative Art,

Shopping

Conference Dinner

House of William Chalmers

September 20, 2014

Post-Conference Excursion for

Conference participants and accompanying persons:

City tour by bus

followed by a short boat tour the a historical fortress Älvsborg fästning

in the inlet to the harbour

where an informal farewell dinner will be served

2014 Conference host:

Prof. Karin Markides
President and CEO
Chalmers University of Technology

2014 Conference secretariat at Chalmers

Catharina Axelzon Popovic
Chalmers University of Technology
Conference Organisation
Phone: +46 31 772 20 49
E-mail: catharina.axelzon.popovic@chalmers.se

Coordinator of the Conference

Prof. Manfred Horvat
Vienna University of Technology
Phone: +43 664 4543165
manfred.horvat@gmx.net, manfred.horvat@tuwien.ac.at,
office@ManfredHorvat.at