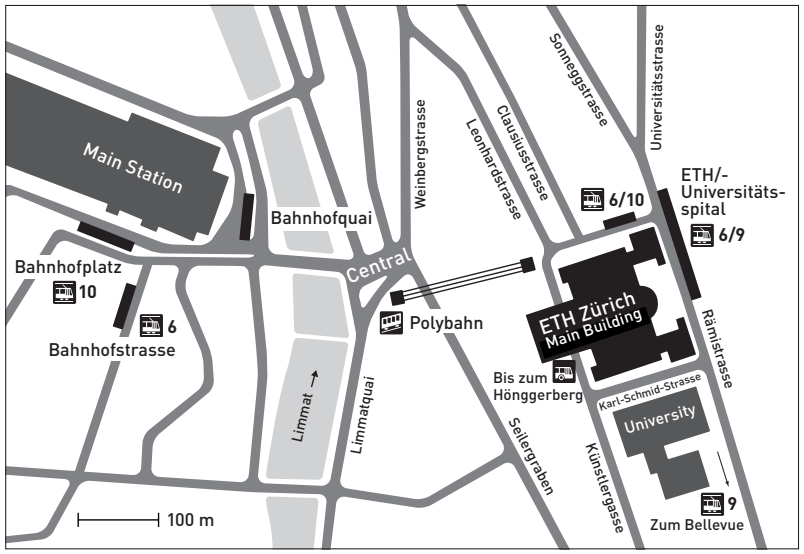


Location Details

The event will take place in the Auditorium Maximum of ETH Zurich (HG F 30), Main Building, Rämistrasse 101, CH-8092 Zurich.

How to reach the Venue

- From the Zurich Main Station: tram no. 6 (Direction: Zoo) or tram no. 10 (Direction: Zürich Flughafen)
- From Bellevue: tram no. 9 (Direction: Hirzenbach)
- From Central: Polybahn

Contact

ETH Zurich
Energy Science Center (ESC)
Sonneggstrasse 28
CH-8092 Zurich

www.esc.ethz.ch

ETH zürich

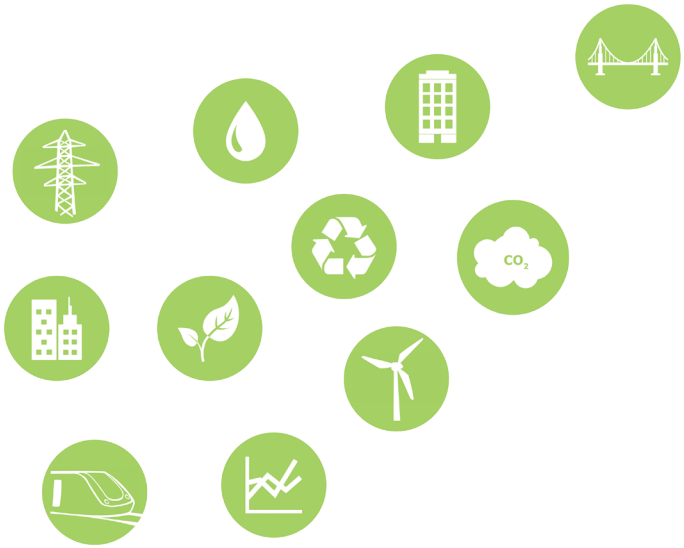
Massachusetts Institute of Technology

Energy Futures – Europe and North America

Symposium

Monday, June 6th 2016, 13:30 - 19:00

ETH Zurich, Audimax (HG F 30)



Energy Science Center

MITei MIT Energy Initiative

Joint Symposium MIT Energy Initiative and ETH Zurich, Energy Science Center

This event will explore the approaches being taken in Europe and North America to secure the energy futures of both regions given the urgent need to act on climate change. Dynamics relating to the power grid's evolution, the use of fossil fuels, the role of nuclear power and the changes in mobility will be discussed by a panel of experts from both sides of the Atlantic. Lessons learned from past policy and regulatory actions, along with existing efforts to support technology development and deployment will be assessed. Emphasis will be placed on identifying effective mechanisms to hasten the development, deployment and implementation of energy efficiency and low-carbon energy technologies. Areas of opportunity for further technology progress will be highlighted and the potential for joint research will be explored.

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Registration

Register online at **www.esc.ethz.ch/events/** by May 30th, 2016. The registration procedure is successfully completed once you receive the confirmation e-mail.

Follow the symposium on Twitter: **#MIT_ETH_Energy**

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Swiss Federal Office of Energy SFOE

GE Power

Program

13.30 **Welcome Addresses**
Prof. Lino Guzzella – President, ETH Zurich
Suzan G. LeVine – United States Ambassador to Switzerland and Liechtenstein
Prof. Maria Zuber – Vice President for Research, MIT

13.55 **Challenges of the Energy Supply in the U.S.**
Prof. John M. Deutch – Emeritus Institute Professor, MIT

14.25 **The Role of Technology in Future Energy Supply Systems**
Prof. Alexander Wokaun – D-CHAB, ETH Zurich and Deputy Director, Paul Scherrer Institute

14.55 **Emerging Mobility Trends in the U.S.**
Prof. David Keith – MIT Sloan School of Management

15.15 **On the Future of Transport – an Energy Systems Perspective**
Prof. Konstantinos Boulouchos – D-MAVT, ETH Zurich

15.35 **Coffee Break**

16.00 **Energy Efficiency in the U.S. – What's Next?**
Prof. Christopher R. Knittel – MIT Sloan School of Management

16.20 **Energy Efficiency: the Role of Information, Energy and Investment Literacy**
Prof. Massimo Filippini – D-MTEC, ETH Zurich

16.40 **The Role of Energy Storage – What is Needed?**
Prof. Donald R. Sadoway – Dept. Materials Science and Engineering, MIT

17.00 **Energy Storage Innovation**
Prof. Vanessa Wood – D-ITET, ETH Zurich

17.20 **Energy Future – A Digital Industrial View**
Steven Hartman – Chief Technology Officer, Power Services, GE Power

17.35 **Energy Innovation in the Transportation Sector**
Oliver Johner – Program Manager Energy Conservation, Swiss Federal Railways (SBB)

17.50 **Panel Discussion: "How will innovation shape the future energy system?"**
Moderator: Rolf Schmid – TEAG Advisors AG
Prof. Robert C. Armstrong – Director, MIT Energy Initiative
Prof. Ahmed F. Ghoniem – Dept. Mechanical Engineering, MIT
Dr. Matthias Gysler – Chief Economist, Swiss Federal Office of Energy
Prof. Volker Hoffmann – D-MTEC, ETH Zurich
Prof. Marco Mazzotti – Chair, Energy Science Center, ETH Zurich

18.50 **Closing Remarks**
Prof. Susan Hockfield – President Emerita, MIT

19.00 **Reception**