



# Sustainable Energy Symposium

The world needs to change the primary energy production from fossil fuels to renewable sources. Chalmers University of Technology and Molecular Frontiers Foundation are proud to announce a unique conference on sustainable energy with the aim to gather leading scientists, policy makers and the interested public in discussions about future energy possibilities. The three-day program included presentations and discussions about novel solar, storage, battery and sustainability technologies.

Time: Dec 6-8, 2017

The program on Dec 6, with invited talks and poster session, was targeted at scientists and university students, whereas the sessions on Dec 7 and 8, with plenary talks and panel discussion, were open also to the general public.

Venue: RunAn, Chalmers Conference Centre

**Download program (PDF)**

**Watch plenary lectures on YouTube**

**Confirmed plenary speakers:**

**Steven Chu**

"Climate Change and innovative paths to a sustainable future"

Nobel laureate in Physics 1997, former United States Secretary of Energy. Stanford University, United States

**Dame Julia King**

"Electric vehicles in a sustainable energy system"

The Baroness Brown of Cambridge DBE

**Sir Richard Friend**

"How can molecules function as semiconductors?"

University of Cambridge, United Kingdom

**Daniel G. Nocera**

"Fuels and Food from Sunlight, Air and Water"

Harvard University, United States

**Paul Alivisatos**

"Quantum Dot Light Emitters: from displays to enabling a new generation of energy conversion systems"

University of California, Berkeley, United States

**Josef Michl**

"Singlet Fission for Solar Cells"

University of Colorado Boulder, United States and Institute of Organic Chemistry and Biochemistry Academy of Sciences of the Czech Republic, Czech Republic

**Katherine Richardson**

"How do we transition an entire country's energy system to renewables?"

University of Copenhagen, Denmark

**Harry Atwater**

"Fueling Human Progress with Sunlight"

California Institute of Technology, United States

**Susanne Siebentritt**

"Thin film solar cells – achievements and challenges"

University of Luxembourg, Luxembourg

**Jean-Marie Tarascon**

"Materials science for electrochemical storage: Achievements and new directions."

Collège de France, France

**Confirmed invited speakers :**

**Leif Hammarström**, Uppsala University

**Anja-Verena Mudring**, Stockholm University and University of Alabama

**Ellen Moons**, Karlstad University

**Marika Edoff**, Uppsala University

**Rosa Palacin**, Institut de Ciència de Materials de Barcelona

**Andreas Regnell**, Vattenfall

**Patrik Johansson**, Chalmers University of Technology

**Frederik Morgenstern**, BMW

**Marie Strannegård**, Northvolt

**Maria Abrahamsson**, Chalmers University of Technology

**Christian Müller**, Chalmers University of Technology

**Peter Sigenstam**, EON

About 150 high school students were invited to participate in the symposium on **Dec 7-8**, and given the opportunity to ask questions to the plenary speakers.

There was also academic sessions on **Dec 6**, with invited speakers, and an open poster session.

The symposium was organized by **Molecular Frontiers Foundation** and Chalmers University of Technology, through the Areas of Advance **Nanoscience and Nanotechnology, Energy** and **Materials Science**.

