

Press release April 2014

Ulm, 2 April 2014

On the forefront of tomorrow's energy technologies

14th UECT international conference from 23 – 26 June in Ulm, Germany

High-performance batteries, fuel cells and the next generation of electrochemical energy technologies – these are the central topics of the Ulmer Electrochemical Talks (UECT), Germany, which will be held from 23 to 26 June 2014. The world's leading scientific and industrial experts meet up every two years in this city on the Danube to discuss the latest developments in electromobility and energy storage. The multi-day conference is being organised by the Centre for Solar Energy and Hydrogen Research Baden-Württemberg (ZSW) for the fourteenth time and will be held at Ulm's Congress Centre.

A new ZSW analysis shows that the global number of electrically powered vehicles on the road rose to around 400,000 by the start of 2014. This figure includes cars with battery-powered electric drives, range extender or plug-in hybrid technology. Electrochemical energy storage systems for green electricity have also generated market interest. "The first commercial products have been established, so now it's the time to develop the next generation to achieve sustainable market growth," says Prof. Dr. Werner Tillmetz, Chairman of the UECT conference and the ZSW Board. "Electrochemical energy technologies will be a major factor in the energy sectors of the future."

50 experts from ten nations will present their latest discoveries at the UECT. A poster exhibition and various discussion forums are also included in the programme. Tutorials held on 23 June at the Education and Training Centre Ulm for Innovative Energy Technologies (WBZU) in the Ulm Science Park will provide a detailed examination of PEM fuel cells, lithium-ion batteries and other technologies. The organisers expect 250 representatives from the research, automobile and supplier industries will attend the events. For more details and registration forms for the conference: uct.de

Rapid technological progress

The twelve conference sessions will cover topics such as advanced materials, optimized components and experiences from applications for lithium-ion batteries, for fuel cells and other technologies. These new developments increase performance and lower costs. Reports on new electrolysis techniques indicate which improvements could also be achieved for the storage of green electricity.

Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW)

Ulm location:
Helmholtzstr. 8, 89081 Ulm

Electrochemistry has enjoyed an unprecedented boom in recent years. The city of Ulm, located between Stuttgart and Munich, has long been the centre of German electrochemical energy technology. The ZSW is based here and operates Europe's largest test and development centre for batteries and fuel cells. The city is also home to the Ulm Helmholtz Institute for Electrochemical Energy Storage (HIU), the University of Ulm, which performs excellent fundamental research, and the Education and Training Centre WBZU.

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14th Ulm Electrochemical Talks (UECT)

Topic: Next Generation Electrochemical Energy Technologies

Dates: 23 – 26 June 2014

Location: Ulm, Germany

Programme: uct.de

24 – 26 June: Conference (presentations and poster exhibition). Congress Centre, Basteistrasse 40, 89073 Ulm

23 June: Tutorials. Education and Training Centre Ulm for Innovative Energy Technologies (WBZU), Helmholtzstrasse 6, 89081 Ulm.

Target groups: Representatives from the industrial sector, research institutes and the political sector.

Organisers: Centre for Solar Energy and Hydrogen Research Baden-Württemberg (ZSW), Education and Training Centre Ulm for Innovative Energy Technologies (WBZU)

Registration: Education and Training Centre Ulm for Innovative Energy Technologies (WBZU), Manuela Egger, tel. +49 (0)731 175 89-21, fax +49 (0)731 175 89-10, participant@uct.de.

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The Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (Centre for Solar Energy and Hydrogen Research Baden-Württemberg, ZSW) is one of the leading institutes for applied research in the areas of photovoltaics, renewable fuels, battery technology, fuel cells and energy system analysis. There are currently around 230 scientists, engineers and technicians employed at ZSW's three locations in Stuttgart, Ulm and Widderstall. There are also 120 research and student assistants.

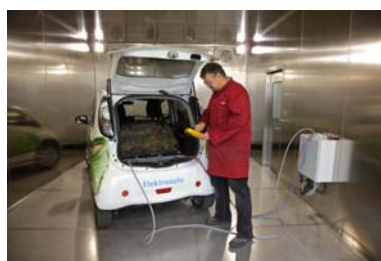
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For these images, additional images on this topic and a ZSW fact sheet please contact:

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New electrochemical energy technologies are proceeding at full speed. Material synthesis reactor on a kilogram scale for active materials and a drive-in climate chamber at the ZSW.

Photos: ZSW.