

**Call for Abstracts**

We invite prospective authors to submit abstracts for lectures or posters relating to the symposium. Abstract submission will be opened within the next days at [www.mg-bat.de](http://www.mg-bat.de). We plan contributions on the following subjects:

- Electrolytes and additives
- Electrode interfaces
- Cathodes
- Anodes
- Modelling
- Systems

A poster session on the evening of the first day (July 14) will offer additional space for contributions.

**Registration**

Registration and payment will be possible from February 2016 over <http://uect.de/>. If you need further information please contact: [daniel.messling@kit.edu](mailto:daniel.messling@kit.edu)

**Additional Opportunities**

The MagBatt meeting will be held in conjunction with the bi-annual Ulm Electrochemical Talks (UECT) meeting, which is from July 19-21, at the same venue. For registration at the UECT please visit the website of the conference: <http://uect.de/>

**Schedule - Deadlines**

Deadline for abstracts (oral)	15.5.2016
Deadline for abstracts (posters)	15.6.2016
End of Registration (regular )	15.7.2016

**Symposium Fees**

Senior participants have to pay a registration fee of 150 € and students have to pay 75 €. Registration is required to attend any of the symposium activities.

**Venue/Location**

The symposium will take place like the UECT meeting at the Conference Center Blaubeuren close to Ulm. Detailed information will be given in the second circular and on [www.mg-bat.de](http://www.mg-bat.de).

**Organizer**

Helmholtz-Institute Ulm,  
Helmholtzstr. 11, 89081 Ulm,  
[www.hiu-batteries.de](http://www.hiu-batteries.de)

**Supporter**

Argonne National Laboratory,  
9700 S. Cass Avenue,  
Argonne, IL 60439,  
[www.anl.gov](http://www.anl.gov)



# 1st International Symposium on Magnesium Batteries



21-22 July 2016,  
Tagungszentrum Blaubeuren,  
in Ulm/Blautal, Germany

**Aims and Motivation**

Magnesium batteries have attracted considerable attention by international research activities, because magnesium offers a number of attractive features for future batteries. The metal anode has nearly double the volumetric capacity of lithium metal, at a negative reduction potential of -2.37 Vs SHE. Moreover, a significant advantage of magnesium is the lack of dendrite formation during charging, which overcomes major safety challenges encountered with using lithium metal anodes. Several breakthroughs were achieved and important progress has been made in the last years, in particular in the development of electrolytes with mild chemistry and high efficiency and in the development of first conversion and intercalation-type cathodes. First fundamental studies have elucidated mechanisms of Mg intercalation or chemical interaction of the electrolyte with the electrodes.

The **1st International Symposium on Magnesium Batteries** addresses the research community in this rapidly growing field. It is the aim of the symposium to present and discuss the recent state-of-the art and the progress in the field. There will be enough time for discussion of questions or controversial issues in the topic.

**Conference Proceedings**

The conference proceedings will be published as a Thematic Issue at Beilstein J. Nanotechnology. The journal is ISI listed, has an impact factor of 2.7, and is Open Access.

**Scientific committee**

Doron Aurbach (Bar-Ilan University)  
Anthony Burrell (Argonne Natl. Lab)  
Jordi Cabana (Univ. Illinois)  
Jang Wook Choi (KAIST)  
Robert Dominko (Natl. Inst. Chemistry)  
Kristina Edstroem (Univ. Uppsala)  
Maximilian Fichtner (HIU)  
Clare Grey (Univ. Cambridge)  
Rana Mohtadi (Toyota Research USA)  
Linda Nazar (Univ. Waterloo)  
Vito Di Noto (Univ. Padova)  
Petr Novak (PSI Villigen)  
Stefano Passerini (HIU)  
Ken Poeppelmeier (Northwestern Univ.)  
Yoshiharu Uchimoto (Kyoto University)  
Jack Vaughey (Argonne Natl. Lab.)  
Margret Wohlfahrt-Mehrens (ZSW)  
Kevin Zavadil (Sandia Natl. Lab)

**Local organizing committee**

M. Fichtner, Helmholtz-Institute Ulm  
D. Messling, Helmholtz-Institute Ulm

**Scientific Program**

Invited speakers will be announced soon on the website of the symposium. Contributed talks (15 + 5min) and posters on all subjects will be selected by the scientific committee from the submitted abstracts in April 2016.

**Social Program**

During the poster session subsequent to the first day a light meal and drinks will be available and the evening can be used to continue discussions in a relaxed atmosphere at the Conference Center Blaubeuren.

**Accommodation**

To access a list of hotels with room capacity during the conference days please visit the website:  
[www.mg-bat.de](http://www.mg-bat.de)