Call for Abstracts

Important Information

First Circular

Call for Abstracts

We invite prospective authors to submit abstracts for lectures or posters relating to the symposium. Abstract submission is possible through www.mgbatt.de. We plan contributions on the following subiects:

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

A poster session on the evening of the first day (September 27) will offer additional space for contributions.

Registration

The registration will be open in March 2018.

www.mg-batt.de/MgBatt2/registration

The MagBatt Symposium will be held in connection with the Electrochemistry 2018 meeting of the German Society of Chemists (Sep 24-26, Ulm)

Schedule - Deadlines

Deadline for abstracts (oral) 01.08.2018 Deadline for abstracts (posters) 15.08.2018 End of Registration (regular) 01.09.2018

Symposium Fees

Mg-Batt is accepting advanced registration only. All participants are kindly requested to register until 15 September, latest.

There will be no walk-in registration.

The symposium fee includes access to all scientific sessions, book of abstracts, meals, and coffee breaks.

Regular registration (before September 1st)

Regular participants: 200 € Students: 150 €

Late registration (after September 1st):

Regular participants: 250 €

Students: 200 €

Venue/Location

The 2nd International Symposium will take place at the Maritim Hotel Ulm.

Detailed information will be given on www.mg-batt.de/MgBatt2.

Organizer

Helmholtz Institute Ulm Helmholtzstr. 11 89081 Ulm

www.hiu-batteries.de

2nd International Symposium on Magnesium Batteries



27-28 September 2018, Maritim Hotel Ulm, Germany

HIU - Joint Research Institute of KIT and Ulm University with Associated Partners DLR and ZSW
KIT - The Research University in the Helmholtz Association

Organized by: Helmholtz Institute Ulm (HIU)



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 2nd 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.

Scientific Committee

Doron Aurbach (Bar-Ilan University) Anthony Burrell (NREL) 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 m.fichtner@kit.edu

A. Sebastian Helmholtz Institute Ulm anna.sebastian@kit.edu

Scientific Program

Invited speakers are announced on www.mg-batt.de. Contributed talks (15 + 5min) and posters on all subjects will be selected by the scientific committee from the submitted abstracts in 15.08.2018

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 Maritim Hotel Ulm.

Accommodation

To access a list of hotels please visit the website: www.mg-batt.de/MgBatt2