

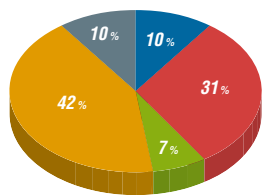
## ADVANCED BATTERY POWER 2018 IN MÜNSTER

The two-day English-speaking symposium Advanced Battery Power is hosted by the Haus der Technik together with the battery research institutes MEET Battery Research Center at Münster University and ISEA - Institute for Power Electronics and Electrical Drives at RWTH Aachen University and has now become one of the leading events involving the subject of battery technology. The professional significance reaches far beyond the subject of automobile use and makes Advanced Battery Power a compulsory event for all engineers, researchers and developers who are involved with energy storage devices in general, new materials, network integration or battery recycling.

**We are looking forward to seeing you in Münster!**

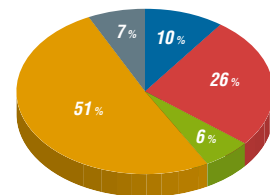
## ORIGIN OF VISITORS (PERCENTAGES)

Battery Day NRW



■ Automotive OEM  
■ Suppliers + engineering  
■ Energy + infrastructure

Battery Conference



■ Research + universities  
■ Politics, associations, banks, media and others.

## CONFERENCE CHAIRS



**Prof. Dr. Martin Winter**  
 HI MS - Helmholtz Institute Münster, IEK-12,  
 Forschungszentrum Jülich & MEET - Münster Electrochemical Energy Technology, WWU Münster



**Prof. Dr. Dirk Uwe Sauer**  
 ISEA - Institut für Stromrichtertechnik und Elektrische Antriebe, RWTH Aachen University

## KEYNOTE-SPEAKER



**Dr. Stanley Whittingham**  
 Binghamton University



**Dr. Venkat Srinivasan**  
 Argonne National Lab



**Dr. Andreas Wendt**  
 BMW Group



**Dr. Ulrich Ehm**  
 TerraE Holding GmbH



**Christoph Pillot**  
 Avicenne Energy



**Dr. Mark Lu**  
 IEKC



**Prof. David Greenwood**  
 University of Warwick (UK)

## HAUS DER TECHNIK E.V.

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### Registration:



# ADVANCED BATTERY Power $\oplus\ominus$

## IN COOPERATION WITH



[WWW.BATTERY-POWER.EU](http://WWW.BATTERY-POWER.EU)



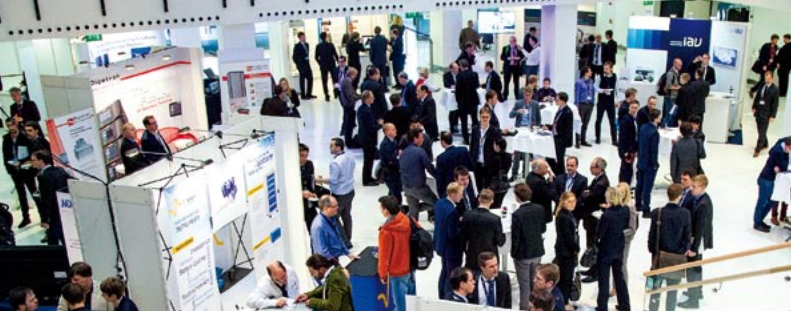
**ADVANCED BATTERY POWER 2018**

April 10-11, 2018 in Münster/Germany

## MEDIA PARTNER



Messe und Congress Centrum Halle Münsterland  
 Albersloher Weg 32, 48155 Münster  
[www.battery-power.eu](http://www.battery-power.eu)



## EXHIBITORS

- Arbin Instruments
- ASAHI Kasei Europe GmbH
- Battery LabFactory Braunschweig
- Bühler AG
- Caltest Instruments Ltd
- Cluster EnergieRegion.NRW
- Custom Cells Itzehoe GmbH
- Digatron Power Electronics GmbH
- EKTechnologies GmbH
- eLab RWTH Aachen
- ElektroMobilität NRW
- EnergyVille
- FEV Europe GmbH
- Forschungszentrum Jülich GmbH
- Fraunhofer Battery Alliance
- GelKoh GmbH
- HI MS - Helmholtz Institute Münster
- IBH Elektrotechnik GmbH
- ISEA, RWTH Aachen
- MACCOR
- Maschinenfabrik Gustav Eirich GmbH & Co. KG
- MEET - Münster Electrochemical Energy Technology, WWU Münster
- Netzsch-Feinmahltechnik GmbH
- OPAL-RT Europe S.A.
- PEC NV
- rhd instruments GmbH & Co. KG
- Saueressig GmbH & Co. KG
- technotrans AG
- Wickeder Westfalenstahl GmbH
- WKM Wärmeprozess- und Klimaprüftechnik Michel GmbH



### EXHIBITORS CONTACT

[www.battery-power.eu/exhibitors](http://www.battery-power.eu/exhibitors)

## AGENDA

### April 9: Battery Day NRW, Preliminary seminars (German language), Guided Tour MEET Battery Research Center

#### Day 1 // April 10, 2018

##### 09:00 | Registration

##### 10:00 | Opening of the conference

Prof. Dr. Martin Winter, HI MS - Helmholtz Institute Münster, IEK-12, Forschungszentrum Jülich & MEET - Münster Electrochemical Energy Technology, WWU Münster

##### 10:10 | Greetings

Dr. Peter Schroth, Federal Ministry of Education and Research // Prof. Dr. Werner Klaffke, Haus der Technik e.V.

##### 10:30 | Plenary Talks

Prof. David Greenwood, University of Warwick (UK) // Christophe Pillot, Avicenne Energy // Dr. Andreas Wendt, BMW Group

##### 12:15 | Lunch break with poster session and exhibition

##### 13:45 | Parallel Session 1

###### Session 1A: Lithium-ion cells: materials and improvements on properties

Prof. Dr.-Ing. Julia Kowal, TU Berlin // Markus Pivko, Fraunhofer Institut für Werkstoff- und Strahltechnik IWS Dresden // Dr.rer.nat. Thomas Waldmann, ZSW Baden-Württemberg // Venkat Nehru Bandla, IFPEN // Meinert Lewerenz, RWTH Aachen University

###### Session 1B: Beyond and beside lithium-ion technology

Dr. Holger Althues, IWS // Markus Sebastian Ding, KIT // Dr. Marian Cristian Stan, MEET, WWU Münster // Dr. Martin Opitz, FEM // Georg Bieker, MEET, WWU Münster

###### Session 1C: Battery systems

Professor David Howey, University of Oxford // Dr. Vanesa Ruiz Ruiz, Joint Research Centre // Nina Harting, TU Braunschweig // Mattin Lucu, IK4-Ikerlan Technology Research Centre // Sara Mohajer, Robert Bosch Battery Systems GmbH

##### 15:30 | Break with poster session and exhibition

##### 16:15 | Parallel Session 2

###### Session 2A: Lithium-ion cells: materials and improvements on properties

Dr. Naoki Matsuoka, Asahi Kasei Corporation // Prof. Dr. Egbert Figgemeier, FZ Jülich // Maral Hekmatfar, HI U // Dr. Pontus Svens, Scania CV AB // Friedrich Hust, RWTH Aachen University

###### Session 2B: Beyond and beside lithium-ion technology

Dr. Diddo Diddens, HI MS, FZ Jülich // Dr. Thomas J. S. Schubert, IOLITEC Ionic Liquids Technologies GmbH // Marlou Keller, HIU, KIT // Dr. Helena Berg, AB Libergreen // Dr. Sebastian Pohlmann, Skeleton Technologies GmbH

###### Session 2C: Battery systems

Alexander Bessman, KTH // Katharina Rumpf, TU München // Dr.-Ing. Andreas Braun, AVL Deutschland GmbH // Mrs. Yi Li, Vrije Universiteit Brussel // Dr. Changfu Zou, Chalmers University of Technology

##### 18:00 | End of first Day

##### 19:00 | Evening Event

Jovel Music Hall, Albersloher Weg 54, 48155 Münster

##### 21:00 | Poster Award

#### Day 2 // April 11, 2018

##### 09:00 | Plenary Talks

Prof. Dr. Stanley Whittingham, Binghamton University // Dr. Ulrich Ehmes, TerraE Holding GmbH // Dr. Mark Lu, IEKC // Dr. Venkat Srinivasan, Argonne National Laboratory

##### 11:30 | Lunch break with poster session and exhibition

##### 12:45 | Parallel Session 3

###### Session 3A: Lithium-ion cells: materials and improvements on properties

Dr. Fabian Jeschull, Paul-Scherrer Institut // Dr. Dominic Bresser, KIT // Sophia Gantenbein, KIT // Jessica Hüsker, MEET, WWU Münster // Christian Peter, Fraunhofer-Institut für Keramische Technologien und Systeme IKTS

###### Session 3B: Automotive and mobile applications / Batteries for 12V and 48V power systems

Prof. Dr.-Ing. Tilman Sanders, FH Münster University of Applied Sciences // Abdilbari Shifa Mussa, KTH The Royal Institute of Technology // Phillip Kollmeyer, McMaster University // Dr. Alexander Börger, Volkswagen AG // Sven Bergmann, Robert Bosch Battery Systems GmbH

##### Session 3C: Battery systems

Dr. Peter Keil, TU München // Dipl.-Ing. Christiane Essl, Kompetenzzentrum - Das virtuelle Fahrzeug Forschungsgesellschaft mbH // Philipp Berg, TU München // Dr.-Ing. Preben J. S. Vie, Institute for Energy Technology // Carlos Pastor-Fernández, WMG - The University of Warwick

##### 14:30 | Break with poster session and exhibition

##### 15:15 | Parallel Session 4

###### Session 4A: Lithium-ion cells: materials and improvements on properties

PhD Michal Tulodziecki, TNO // Dr. Alberto Varzi, KIT // Dr. Jens Smiatek, FZ Jülich GmbH // Zhengqi Wang, KIT

###### Session 4B: Production and recycling of battery systems and cells

Dr. Klaus Eberhardt, M+W Group gmbH // Joscha Schnell, TU München // Dr.-Ing. Jörg Zimmermann, Fraunhofer-Projektgruppe für Wertstoffkreisläufe und Ressourcenstrategie // Dr. Alice Hoffmann, ZSW

##### Session 3C: Stationary battery systems

Dr. Susanne Lehner, MAN Diesel & Turbo SE // Björn Kleinsteinberg, ISEA RWTH Aachen // Prof. Dr. Wolfgang Bessler, Hochschule Offenburg // Dr. Shou-Hung Welkin Ling, ITRI

##### 17:00 | End of conference

##### 17:45 | Visit of MEET

###### Guided Tour MEET Battery Research Center

**Start of the visit:** 5:45 p.m.

**Departure:** 5:15 p.m. bus stop in front of the conference hall

**End of the visit:** 6:45 p.m. return to the conference hall by bus is possible

**Visit duration:** approximately 60 minutes

Following Batterietag NRW (April 9, 2018) and Battery Conference (April 11, 2018) the MEET Battery Research Center offers you the possibility to visit the institute. As part of guided tour both laboratories and the 1000m<sup>2</sup> technical center can be visited. Getting from the convention center Halle Münsterland to MEET will be organized by bus. A maximum of 45 people can take part in the guided tours.

### FURTHER INFORMATION

[www.battery-power.eu](http://www.battery-power.eu)

