



CALL FOR PAPERS

The SBS2 will include invited lectures and contributed papers. Authors of conference papers are kindly requested to submit an abstract (max. 250 words, pdf or word file) by e-mail to sbs2@ikts.fraunhofer.de no later than **April 30, 2020**. Please underline the presenting author and add address, phone number as well as e-mail address. Abstracts will be reviewed by the conference organizers by May 30, 2020.

INDUSTRIAL EXHIBITION

You are interested to present your company at this international event? Please register online at www.ikts.fraunhofer.de.

REGISTRATION FEES

Regular	Euro 180,-
Speaker	Euro 180,-
Reduced*	Euro 100,-
Exhibitors	Euro 300,- plus 19 % VAT

Please register on our website: www.ikts.fraunhofer.de.

* Students with valid student card and exhibitor second persons

VENUE

Fraunhofer Institute for Ceramic Technologies and Systems IKTS
Winterbergstrasse 28
01277 Dresden, Germany

CONTACT

Phone +49 351 2553-7891
sbs2@ikts.fraunhofer.de
www.ikts.fraunhofer.de

Prof. Dr. Michael Stelter
Fraunhofer IKTS
Phone +49 36601 9301-3031
michael.stelter@ikts.fraunhofer.de



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FRAUNHOFER INSTITUTE FOR
CERAMIC TECHNOLOGIES AND SYSTEMS IKTS

SEPTEMBER 1–2, 2020, DRESDEN, GERMANY

INTERNATIONAL SODIUM BATTERY SYMPOSIUM

CALL FOR PAPERS



INTERNATIONAL SODIUM BATTERY SYMPOSIUM

SEPTEMBER 1–2, 2020

INVITATION

Sodium batteries are the most promising low-cost alternative to Lithium cells. Exchange of ideas in this field is crucial for joint progress and public visibility. It is a great pleasure to invite you to the 2nd International Sodium Battery Symposium (SBS2) to be held in Dresden – the scientific, economic and cultural center of Saxony and one of the most beautiful cities of Germany – from September 1 to 2, 2020.

The symposium will cover all aspects of Na-based batteries, from fundamentals and active materials through cell concepts up to systems, testing, markets and applications. Incumbent technologies, such as ceramic Na batteries, as well as novel concepts based on low-temperature Na-ion conducting materials and electrodes will be discussed. Also, applications and markets of Na batteries, based on their unique profile and operating parameters, will be addressed.

The SBS2 intends to build a community around Na batteries and to enable an open exchange of information on current scientific results, research interests and market requirements as well as to encourage future partnerships. Scientists, engineers and managers are invited to report on their results, developments and future prospects or display their products and services as an exhibitor. Together with the members of the scientific and organizing committees, we look forward to meeting you in Dresden.



CONFERENCE ORGANIZERS

Prof. Michael Stelter – FSU Jena / Fraunhofer IKTS

Dr. Roland Weidl – Fraunhofer IKTS

Dr. Mihails Kusnezoff – Fraunhofer IKTS

Prof. Philipp Adelhelm – Humboldt-University Berlin

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Arndt Remhof – EMPA

Stefan A. Freunberger – Institute of Science and Technology Austria (IST Austria)

IMPORTANT DATES

April 30, 2020

May 30, 2020

June 30, 2020

July 30, 2020

August 25, 2020

September 1–2, 2020

Submission of abstracts ends

Notification of acceptance

Final program

Exhibitor registration ends

Registration ends

SBS2 takes place



TOPICS

The topics of interest include, but are not limited to:

- Applications and markets
- Cell design and manufacturing technology
- Electrodes and active materials
- Electrochemical cell and material testing (incl. modeling)
- Electrochemical cell testing
- Electrolyte materials
- EOL scenario and LCA
- Field tests experience and safety
- Heat insulation and materials concepts
- Heat management and BMS specific to Na batteries
- Integration in energy systems and simulation of integrated systems operation
- Long-term stability and degradation (incl. modeling)
- Mechanical properties of cells, cell components and joints (incl. modeling)
- Round trip efficiency
- Sealing concepts and materials
- Single cell integration in module and module testing
- Standardization and certification
- State of health and state of charge (SOC, SOH) estimation