

Venue

Kultur & Kongresshaus (KUK) Aarau
 Schlossplatz 9
 5000 Aarau
 Phone: +41 62 834 02 10
www.kuk-aarau.ch

Travel by plane

Flight to Zürich (ZRH) or Basel-Mulhouse (BSL), then take train to Aarau

Train

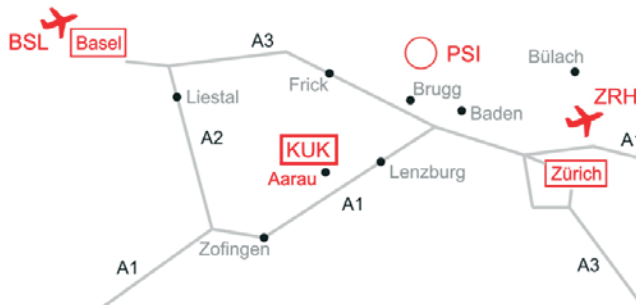
Take train to Aarau (www.sbb.ch/en), the KUK is a 10 minutes walk from the station

Taxi

SwissTaxi Aarau phone: +41 62 822 55 55
 NOVA-TAXI phone: +41 78 785 55 55

Arrival by car

Motorway A1 (exit Aarau-Ost or -West) or E60 (exit Frick/Aarau) with recommended parking at Kettenbrücke, Kasino or Kasernen parking garages (there is a fee).



Organizers

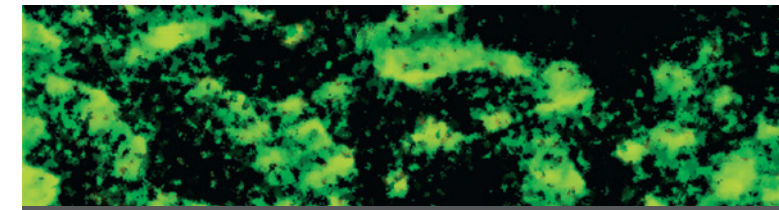
Dr. Erik J. Berg
 Dr. Felix N. Büchi
 Dr. Jens Eller
 Dr. Lorenz Gubler

Paul Scherrer Institut
 Electrochemistry Laboratory
 CH-5232 Villigen PSI
 Switzerland
www.psi.ch/lec

Email: electrochem@psi.ch
 Conference Website: www.modval2018.ch

15th Symposium on Modeling and Experimental Validation of Electrochemical Energy Devices

ModVal 2018



April 12–13, 2018
 Aarau, Switzerland

www.modval2018.ch

Cover image: elemental mapping of the surface of a proton conducting membrane prepared by swift heavy ion beam irradiation and grafting. Green areas (sulfur) indicate ion conducting domains (diameter ~1µm), black areas (fluorine) the insulating matrix

ModVal 2018 is the 15th symposium in the series of annual events initiated in 2004 by the Swiss Federal Office of Energy.

The symposium provides a platform for idea exchange encompassing academic institutions as well as industry. ModVal aims at disseminating new results in research, promoting personal contacts, and stimulating new collaborations.

Scope

The program covers topics relevant to electrochemical energy conversion and storage devices, i.e., fuel cells, electrolyzers and batteries.

Modeling and Simulation:

- First-principles methods & quantum mechanics
- Electrode kinetics, electrocatalysis
- Mass transport phenomena
- Computational fluid dynamics
- Genetic algorithms

Validation:

- *In situ* chemical, electrochemical and microstructural characterization methods
- *Ex situ* model experiments to retrieve relevant parameters
- Imaging and spectroscopic techniques

Plenary Talks

- **Prof. Richard Hanke-Rauschenbach**
Leibniz University of Hanover, Germany
- **Prof. Anthony Kucernak**
Imperial College London, UK
- **Prof. Anton Van der Ven**
University of California, Santa Barbara, USA

Program

Invited plenary talks and lectures, contributed talks and posters are scheduled.

Abstract Submission

Abstracts are limited to 2 pages (use template available from web site) and are to be submitted via the conference website (deadline: January 20, 2018)

Dates & Deadlines

2017

September 1 Announcement of invited speakers
November 1 Abstract submission & registration sites open

2018

January 20 Abstract submission deadline
February 15 Notification of abstract acceptance
February 28 Deadline for registration & abstract submission for poster contributions
March 16 Final program
April 12 **ModVal 9 starts**

Registration

Registration opening day: November 1, 2017
Registration deadline: February 28, 2018

The conference package includes registration, lunch & coffee and the banquet at the Sorell Hotel Aarauerhof. **Please note that accommodation is not included**, hotels have to be booked separately.

Registration fee:

Regular: CHF 350

Reduced*: CHF 250

* students, SCCER affiliates

Notes:

- We cannot offer a discount for attendees not staying the full length of the symposium.
- Registration is only complete with conference fee paid.
- On-site registration is not possible.

Please use our online registration form:
<http://www.modval2018.ch>

Cancellation policy

before March 20, 2018: 50 % refund
after March 20, 2018: no refund possible