

International Max Planck Research School for Condensed Matter Science

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Location

MPI for Solid State Research Heisenbergstraße 1 70569 Stuttgart Germany

Scientific Organizers

MPI for Solid State Research Prof. Dr. Joachim Maier Dr. Rotraut Merkle

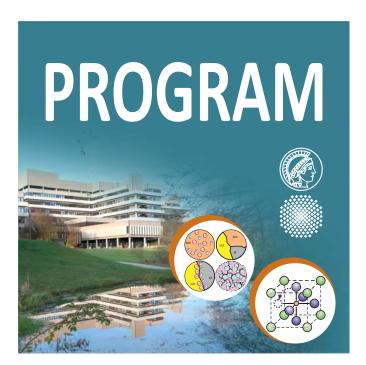


International School Electrochemical Energy Conversion and Storage

October 24 – 26, 2016

Lecture Hall 2D5

Max Planck Institute for Solid State Research Stuttgart, Germany



	Monday • October 24, 2016		Tuesday • October 25, 2016		Wednesday • October 26, 2016
9.00 am	Registration & Welcome	9.00 am	M. Gaberscek National Institute of Chemistry, Slovenia Operation and degradation of battery and PEMFC electrodes	9.00 am	B. Lotsch MPI for Solid State Research Stuttgart, Germany Photo(electro)chemical water splitting
9.45 am	J. Maier MPI for Solid State Research Stuttgart, Germany Electrochemical energy conversion and storage	10.00 am	W. Sitte Montan Univ. Leoben, Austria Oxide ion conductors (electrolytes and mixed conductors)	10.00 am	KD. Kreuer MPI for Solid State Research Stuttgart, Germany Proton-conducting polymers
10.45 am	Break	10.45 am	Break	10.45 am	Break
11.15 am	C. Muhich ETH-Zurich, Switzerland Solar-thermochemical H ₂ O and CO ₂ splitting	11.15 am	P. V. Hendriksen DTU Roskilde, Denmark Solid Oxide Fuel and Electrolysis Cells	11.15 am	S. Paddison UT Knoxville, United States Modelling of soft matter
12.15 am	P. Knauth Univ. Marseille, France Alkali ion conductors (ceramics and polymers)	12.15 am	M. Kubicek TU Vienna, Austria Electrochemical reaction pathways on SOFC electrodes	12.15 am	L. Jörissen ZSW Ulm, Germany Aspects of PEM fuel cell operation
1.00 pm	Lunch	1.00 pm	Lunch	1.00 pm	Lunch
2.00 pm	M. Grätzel EPFL Lausanne, Switzerland Dye-sensitized and perovskite solar cells	2.00 pm	W. Münch EnBW Karlsruhe, Germany Storage requirements for future energy systems	2.00 pm	HU. Habermeier MPI for Solid State Research Stuttgart, Germany Thermoelectrics
3.00 pm	R. Usiskin MPI for Solid State Research Stuttgart, Germany Strategies for improving Lithium Battery Electrodes	3.00 pm	U. Kramm TU Darmstadt, Germany Electrocatalysis in PEM fuel cells	2.45 pm	W. Sigle MPI for Solid State Research Stuttgart, Germany TEM investigations related to energy research
3.45 pm	Break	3.45 pm	Break	3.30 pm	Break
4.15 pm	J. Fleig TU Vienna, Austria AC/DC meets solid state electrochemistry	4.15 pm	J. Mannhart MPI for Solid State Research Stuttgart, Germany Novel insights from physics for highly efficient energy conversion	4.00 pm	S. Ludwigs University of Stuttgart, Germany Nanostructured conducting polymer films for energy applications
5.00 pm	R. Merkle MPI for Solid State Research Stuttgart, Germany Proton-conducting oxides	5.00 pm	E. Kotomin MPI for Solid State Research Stuttgart, Germany Ab initio calculations for oxide functional materials	4.45 pm	J. Popovic MPI for Solid State Research Stuttgart, Germany Ionic liquids and their applications
6.00 pm	Poster Session	6.00 pm	Conference Dinner		
		8.00 pm	Poster Session		