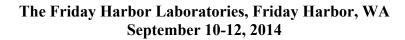
ORCAS 2014 – INTERNATIONAL CONFERENCE ON ENERGY CONVERSION & STORAGE



Sentember 10 (Wed)



Program

September 10 (Wed)	
1:30 pm - 4:30 pm	Arrival, Registration, Lunch
4:30 pm - 6:00 pm	Poster Session
6:00 pm - 7:00 pm	Dinner
7:30 pm - 8:00 pm	David Cahen, Weizmann Institute of Science
	The amazing recent years in Solar Cells
0.00	What's Next?
8:00 pm - 8:10 pm	Discussion
8:10 pm - 8:40 pm	Daniel Kirschen, University of Washington
	Grid Integration of Batteries and Photovoltaics
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:20 pm	Ping Liu, Advanced Research Projects Agency-Energy (ARPA-E), DOE
	Materials and Systems Approaches to Long-Life Energy Storage
9:20 pm - 9:30 pm	Discussion
9:30 PM	Reception
September 11 (Thurs)	D 16
7:45 am - 8:30 am	Breakfast
8:45 am - 9:15 am	Noel (Chris) Giebink, Pennsylvania State University
	Advances in Luminescent and Microtracking Solar Concentration
9:15 am - 9:30 am	Discussion
9:30 am - 10:00 am	Ursula Fittchen, Washington State University
	Li-ion Battery ageing – 3D and 2D Imaging of Elemental Depositions on
10:00 am - 10:15 am	the Graphite Anode and the LiNi _{0.5} Mn _{1.5} O ₄ Cathode in Full cells Discussion
10:15 am - 10:45 am	Coffee and Group Photo
10:45 am - 11:15 am	Su-Huai Wei, National Renewable Energy Laboratory
	First Principles Study and Design of Functional Materials for Energy
11:15 am - 11:30 am	Applications Discussion
11:30 am - 12:00 pm	Brandi Cossairt, University of Washington
11.30 am - 12.00 pm	Indium Phosphide Quantum Dots for Energy Efficient Display
	Technologies
12:00 pm - 12:15 pm	Discussion
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12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster
6:00 pm - 7:00 pm	Dinner
7:30 pm - 8:00 pm	Ji-Guang (Jason) Zhang, Pacific Northwest National Laboratory
	Development of the Next Generation of Energy Storage Systems
8:00 pm - 8:10 pm	Discussion
8:10 pm - 8:40 pm	Petr Sushko, University College London
8:40 pm - 8:50 pm	Complex Oxides for Energy Applications: Defects, Defect Aggregates and Solid Solutions Discussion
8:50 pm - 9:20 pm	Jiangyu Li, University of Washington
0.50 pm 9.20 pm	Electrochemical strain microscopy: principle, analysis, and applications
9:20 pm - 9:30 pm	Discussion
9:30 PM	Poster Award Presentation, Free Time
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September 12 (Fri)	
7:45 am - 8:30 am	Breakfast
8:40 am - 9:10 am	Xiaosong Li, University of Washington
	From Charge-Transfer to Charge-Separated State: A Perspective from the Real-Time TDDFT Excitonic Dynamics
9:10 am - 9:20 am	Discussion
9:20 am - 9:50 am	Brian Korgel, University of Texas at Austin
	Colloidal Nanocrystals and Nanowires for Photovoltaics and Lithium Ion Batteries
9:50 am - 10:00 am	Discussion
10:00 am - 10:30 am	Coffee
10:30 am - 11:00 am	Cody Schlenker, University of Washington
	Understanding and controlling Charge Dynamics in Next-Generation Solar Cells
11:00 am - 11:10 am	Discussion
11:10 am - 11:40 am	Bruce Hinds, University of Washington
	Dramatic nano-fluidic properties of carbon nanotube membranes as a platform for protein channel mimetic pumps
11:40 am - 11:50 am	Discussion
12:30 PM	Lunch + Group Departure



2016 Participants