

Thursday, May 14, 2015 (morning)			
Symposium 6: SOFC/Supercapacitors			Room 108
Session Chairs: Elizabeth Dickey/Jürgen Fleig			
9:15–9:45 AM	Invited	6-I-01	Ion Conducting Oxides for Electrochemical Energy Conversion and Storage Eric D. Wachsman <i>University of Maryland, USA</i>
9:45–10:00	Oral	6-O-01	Oxygen Ordering Modulated Surface Electrostrictive Response in La₂Mo₂O₉ Oxygen Ion Conductors Qian Li¹ , A. Tselev ¹ , J. Schiemer ² , R. Unocic ¹ , S. Jesse ¹ , Y. Liu ² , S.V. Kalinin ¹ , and N. Balke ¹ ¹ <i>Oak Ridge National Laboratory, USA</i> ; ² <i>The Australian National University, Australia</i>
10:00–10:15	Oral	6-O-02	Electrochemical Study of Perovskite-Structured SrSn_{1-x}Fe_xO_{3-x/2+δ} Thin Films Chang Sub Kim¹ , Jae Jin Kim ¹ , Sean R. Bishop ^{1,2} , Nicola H. Perry ^{1,2} , and Harry L. Tuller ^{1,2} ¹ <i>Massachusetts Institute of Technology, USA</i> ; ² <i>Kyushu University, Japan</i>
10:15–10:30	Oral	6-O-03	Fast Oxygen Exchange and Diffusion Kinetics of Grain Boundaries in Sr-doped LaMnO₃ Thin Films Tobias M. Huber^{1,2} , E. Navickas ³ , T. Daio ¹ , G. Harrington ^{1,2} , N. Perry ^{1,2} , G. Rupp ³ , W. Hetaba ³ , M. Stöger-Pollach ³ , H. Tuller ^{1,2} , B. Yildiz ^{2,3} , K. Sasaki ¹ , and J. Fleig ³ ¹ <i>Kyushu University, Japan</i> ; ² <i>Massachusetts Institute of Technology, USA</i> ; ³ <i>Vienna University of Technology, Austria</i>
10:30–10:45	Oral	6-O-04	Interdiffusion Across Solid Electrolyte-Electrode Interface Jia-Mian Hu¹ , Linyun Liang ¹ , Yanzhou Ji ¹ , Liang Hong ¹ , Kirk Gerdes ² , and Long-Qing Chen ¹ ¹ <i>The Pennsylvania State University, USA</i> ; ² <i>National Energy Technology Laboratory, USA</i>
10:45–11:00	Oral	6-O-05	Solid Oxide Fuel Cell Based on Proton-Conducting Ceramic Electrolyte U. (Balu) Balachandran , T.H. Lee, and S.E. Dorris <i>Argonne National Laboratory, USA</i>
11:00–11:15	Oral	6-O-06	Effects of Strain on the Modified Transport Properties of YSZ Thin Films George Harrington^{1,2,4} , Andrea Cavallaro ¹ , Tobias Huber ^{2,4} , Harry Tuller ^{3,4} , Bilge Yildiz ⁴ , Kazunari Sasaki ^{2,3} , David W. McComb ^{1,5} , Stephen J. Skinner ¹ , and John A. Kilner ¹ ¹ <i>Imperial College London, United Kingdom</i> ; ² <i>Kyushu University, Japan</i> ; ³ <i>International Institute for Carbon Neutral Energy Research (I2CNER), Japan</i> ; ⁴ <i>Massachusetts Institute of Technology, USA</i> ; ⁵ <i>The Ohio State University, USA</i>
11:15–11:30	Oral	6-O-07	Self-Assembled Oxide Nanosheets for Electrochemical Capacitors Scott Misture , D. Liu, P. Metz, T. Hey, P. Gao, and T. Gubb <i>Alfred University, USA</i>
11:30 – 12:00 noon	Invited	6-I-02	Modeling the Discharge Characteristics of an Electrochemical Capacitor: From Material Properties to Device Performance Ramakrishnan Rajagopalan¹ , Danhao Ma ² , and Clive Randall ² ¹ <i>Penn State DuBois</i> ; ² <i>The Pennsylvania State University</i>
12:00-1:00	Lunch (Deans Hall)		