

ESDL Design Meeting Presentation Schedule

| Date | Presenter | Subject |
|--------------------|------------------|--|
| June 10, 2016 | Chad Balen | A Multi-Component Mass Transport Model for Polymer Electrolyte Fuel Cells |
| June 17, 2016 | Jie Zhou | Part I) Porous Media Characterization and Two-Phase Transport in MEA Modelling Part II) Fuel Cell Testing under Wet/Cold Conditions |
| July 8, 2016 | Mayank Sabharwal | Effect of Liquid Water on Pore Scale Gas Transport & Electrochemical Reactions in a Catalyst Layer |
| July 15, 2016 | Alex Jarauta | Water Transport in PEFC Gas Channels and Mass Transport of Gas Mixtures in Porous Media |
| July 22, 2016 | Antoni Bach | Inkjet Printing for PEM Electrolysis |
| July 29, 2016 | James Kracher | Experimental Characterization of Two-Phase Water Flow in a PEMFC |
| August 5, 2016 | Marc Secanell | Multi-scale Numerical Analysis of Transport in Fuel Cells |
| August 26, 2016 | Michael Steer | Optimized FIB-SEM Analysis Using PyFCCell |
| | Inderjit Dhiman | Vacuum Sealed Composite Flywheel for Energy Storage |
| September 2, 2016 | Adnan Arif | Mass Transport in Fuel Cells |
| September 9, 2016 | Aslan Kosakian | Transient Problems in OpenFCST: Past, Present, Future |
| September 16, 2016 | Miles Skinner | Effect of Random or Size-Ordered Addition of Spherical Nanoparticles Inside a Representative Volume Element Flywheel Energy Storage System Energy Loss and Stress Distribution Characterization |
| September 23, 2016 | Lisa Clare | Experimental Modeling of Cooling Towers |
| Oct. 7, 2016 | Jie Zhou | Macro-scale Two-phase Fuel Cell Numerical Modelling |
| October 14, 2016 | Manas Mandal | Analysis of Inkjet Printed Polymer Electrolyte Electrolyzers |

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| October 21, 2016 | Vaishnavi Kale | Introduction to Flywheel Energy Storage Systems |
| October 28, 2016 | Alex Jarauta | Advances in Multi-Component Mass Transport and Water Transport in PEFC's |
| November 18, 2016 | James Kracher | Water Management of Ultra-Thin Inkjet Printed Proton Conducting Membranes for PEMFCs |
| November 25, 2016 | Miles Skinner | Flywheel Energy Storage |
| December 9, 2016 | Aslan Kosakian | On Runge-Kutta and BDF Methods |