“Organic Composites for Solar cells Applications”  
Presented by: Bakhtyar Ali  
Author(s): Bakhtyar Ali, Changhee Ko, Jeffry Hanft, Mary Galvin, Ismat Shah

“Using Electric Vehicles as Storage for Offshore Wind Power”  
Presented by: Scott Baker  
Author(s): Willett Kempton and Amardeep Dhanju

“Offshore Wind Power in Delaware and Beach Tourism”  
Presented by: Meredith Blaydes  
Author(s): Meredith Blaydes, Jeremy Firestone, Willett Kempton

“PEM Fuel Cell Simulation and Flow Field Design”  
Presented by: Glenn Catlin  
Author(s): Glenn Catlin, Suresh Advani, Ajay Prasad

“Engineers Without Borders: Sustainable Energy Solutions in Developing Communities”  
Presented by: Douglas DeVoto  
Author(s): Ahmet Kusoglu and Douglas DeVoto

“Offshore Wind Power Regulation in Delaware”  
Presented by: Amardeep Dhanju  
Author(s): Amardeep Dhanju and Jeremy Firestone

“Tungsten Monocarbide as a Novel Electrode Material in Photoelectrochemical Solar Cells”  
Presented by: Dan Esposito  
Author(s): Dan Esposito, Kevin Dobson, Brian McCandless, Robert Birkmire, Jingguang Chen

“Heat Recuperation Strategies for Microreactors: Thermal Management in Gas-Phase and Catalytic Propane/Air Oxidation”  
Presented by: Justin Federici  
Author(s): J. A. Federici, E. D. Wetzel, B. R. Geil, D. G. Vlachos

“The Transition from Agricultural Lands to Wetlands during Sea Level Rise: Managing the Ecology and Economics”  
Presented by: Jennifer Halchak  
Author(s): Jennifer Halchak, Denise Seliskar, John Gallagher

“Solar-Thermochemical Hydrogen Production”  
Presented by: Erik Koepf  
Author(s): Erik Koepf

“Mechanical Behavior of Fuel Cell Membranes Under Humidity Cycles”  
Presented by: Ahmet Kusoglu  
Author(s): Ahmet Kusoglu, Anette Karlsson, Michael Santare, Simon Cleghorn, William Johnson

“Offshore Wind Power: What do Delaware Residents Think?”  
Presented by: Jon Lilley  
Author(s): Andy Krueger, Jeremy Firestone, Willett Kempton

“Hydrogen Generation from Visible Light Using Bandgap-modified titania”  
Presented by: Hong-Ying Lin and Meghan Schulz  
Author(s): Hong-Ying Lin, Meghan Schulz, C.P. Huang, Ismat Shah

“General Trends in the Stability of Monolayer Bimetallic Surfaces”  
Presented by: Carl Menning  
Author(s): Carl Menning and Jingguang Chen
“Ge Quantum Dots Sensitized TiO₂ Solar Cell”
Presented by: Yinghong Miao
Author(s): Yinghong Miao, Ismat Shah

“Thin Film Cobalt Boride Catalyst Templates for Hydrogen Generation from Sodium Borohydride”
Presented by: Krishnan Palanichamy
Author(s): Krishnan Palanichamy, Suresh G. Advani, Ajay K. Prasad

“Delaware Energy Choices”
Presented by: Jacqueline Piero
Author(s): Jacqueline Piero, Amardeep Dhanju, Meredith Blaydes

“Combining Meteorological Stations and Satellite Data to Evaluate the Offshore Wind Power Resource of Southeastern Brazil”
Presented by: Felipe Pimenta
Author(s): Felipe Pimenta, Willett Kempton, Richard Garvine

“New Zintl Compounds as Potential Thermoelectric Materials”
Presented by: Bayram Saparov
Author(s): Bayram Saparov, Svilen Bobev

“Water Dynamics in PEM Fuel Cells”
Presented by: Dusan Spernjak
Author(s): Dusan Spernjak, Ajay Prasad, Suresh Advani

“Surface Science Studies of Tungsten Carbides as Alternative Electrocatalysts for Direct Methanol Fuel Cells”
Presented by: Alan Stottlemyer
Author(s): Alan Lee Stottlemyer, Erich Weigert, Jingguang Chen

“Mechanical Properties of a Reinforced Composite Polymer Electrolyte Membrane”
Presented by: Yaliang Tang
Author(s): Melissa Lugo, Yaliang Tang, Anette Karlsson, Michael Santare, Simon Cleghorn, William Johnson

“Temperature Dependence of Open Circuit Voltage in Polycrystalline Thin Film CdTe and Cu(InGa)Se₂-based Solar Cells”
Presented by: Christopher Thompson
Author(s): Christopher Thompson, Steven Hegedus, William Shafarman, Darshini Desai

“Energy Storage Devices from Nanostructured Materials”
Presented by: Bingqing Wei
Author(s): Charan Masarapu, Venkatachalam Subramanian, Hongwei Zhu, Kai-Hsuan Hung, Haifeng Zeng, Bingqing Wei

“Effect of CdS Surface Chemistry on CdTe/CdS Solar Cells”
Presented by: Xiawa Wu
Author(s): Xiawa Wu, Brian McCandless, Wayne Buchanan, Robert Birkmire

“Inorganic Solid State Materials for Potential Thermoelectrical Utilization”
Presented by: Sheng-Qing Xia
Author(s): Sheng-Qing Xia and Svilen Bobev

“Surface Texturing and Passivation for Silicon Heterojunction Solar Cell”
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Author(s): Dong Xu, S. Bowden, U. K. Das, C. Honsberg, R. W. Birkmire

“Nanocomposites for Thermoelectric Power”
Presented by: Emre Yassitepe
Author(s): Emre Yassitepe, Siu-Tat Chui, Ismat Shah

“Development of Novel and Low-Cost Material for Fuel Cells with Micro/Nanotechnology”
Presented by: Feng-Yuan Zhang
Author(s): Feng-Yuan Zhang, Suresh Advani and Ajay Prasad