EERE Postdoctoral Research Award Participants

Program	Year of Award	Name	Facility	Project
Bioenergy Technologies	2011	Gunda, Padmaja	Pacific Northwest National Laboratory	Development of Catalyst System for the Selective Trimerisation of Dienes
	2011	Lampert, David	Argonne National Laboratory	Water Quality Assessment of Pesticide Usage for Biofuel Production
	2011	Hobdey, Sarah	National Renewable Energy Laboratory	Oligomer Saccharification
	2011	Clark, Jared	National Renewable Energy Laboratory	Kinetic Modeling of Biomass Pyrolysis Coupled with Experimental Results
Fuel Cell Technologies	2011	Ardo, Shane	California Institute of Technology	Next-Generation Si Microwire Array Devices for Unassisted Photoelectrosynthesis
	2012	Eichman, Joshua	National Renewable Energy Laboratory	Valuation of hydrogen production from electrolysis in the context of a complete grid system
	2011	Larsen, Brian	National Renewable Energy Laboratory	High aspect ratio nano-structured Pt-based PEM fuel cell catalysts
	2011	Mondloch, Joseph	Northwestern University	Metal- and Cluster-Modified Ultrahigh-Area Diamond Network Materials For the Ambient Temperature Storage of Molecular Hydrogen
	2011	Olsen, Raina	Oak Ridge National Laboratory	The Quantum Effects of Pore Structure on Hydrogen Adsorption
Geothermal Technologies	2011	Shelton, John	Carnegie Mellon University National Energy Technology Laboratory in Pittsburgh	A Geothermal Rock-Fluid-Bit Interaction Framework to Predict the Behavior of Nanofluids during Drilling

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Solar Energy Technologies	2012	Choi, Chulmin	Nano3 Facility, at Calit2, University of California at San Diego	Magnetically Guided Nano-Micro Shaping and Slicing of Silicon
	2011	Cowan Pratt, Sarah	National Renewable Energy Laboratory	Solution-processable metal oxide materials for optimized tunnel junction layers and improved device lifetime in multijunction architecture organic photovoltaics
	2011	Dasgupta, Neil	University of California at Berkeley	Nanowire Photovoltaics Based on Abundant, Low-cost Materials and Processing Techniques
	2011	Mercado, Brandon	University of California, Irvine	Designing Conductive Quantum Dot Superlattices for Perfect Charge Collection from Next-Generation Quantum Dot Solar Cells
	2012	Palmintier, Bryan	National Renewable Energy Laboratory	Grid Integration of High Penetration Solar
	2012	Riha, Shannon	Argonne National Laboratory	Stoichiometry, Interfaces, and Defects in Cu2S Photovoltaics: A Model System for Attaining Stability
	2012	Rinehart, Jeffrey	University of Washington, Seattle	Boosting solar voltage output of CIGS and CZTS devices through efficient generation and extraction of high-energy Auger electrons
	2012	Youker, Diane	University of Delaware	New Nanostructured Materials for Efficient Photon Upconversion
	2013	Barnard, Edward	Lawrence Berkeley National Laboratory	In-situ, Non-destructive Optoelectronic Characterization of Buried interfaces in solar materials using two-photon tomography
	2013	Davenport, Timothy	California Institute of Technology	Examination of Cerium Oxide Dopants for the Solar-Driven Thermochemical Generation of Hydrogen

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Solar Energy Technologies	2013	Jaramillo, Rafael	Massachusetts Institute of Technology	SnS Thin Films and Photovoltaic Devices
	2013	Klahr, Benjamin	Northwestern University	Interfaces in Solar Materials Using Two-Photon Tomography
	2013	McKone, James	Cornell University	Examination of Cerium Oxide Dopants for the Solar-Driven Thermochemical Generation of Hydrogen
Vehicle Technologies	2011	Lu, Jun	Argonne National Laboratory	Develop New Non-aqueous Electrolytes for Rechargeable Li-Air Battery Application
Water Power	2011	Posner, Ari	Hydraulics and Maritime Research Centre (University College Cork)	Marine and Hydrokinetic Technology Development and Testing
	2013	Bosma, Brett	Beaufort Research (University College Cork)	Reducing Levelized Cost of Energy through Advanced Control Techniques for Ocean Wave Energy Converters
	2013	Cavagnaro, Robert	Hydraulics and Maritime Research Centre (University College Cork)	Preview-based control of marine hydrokinetic turbines for load mitigation and performance optimization