

Speaker Profile

<p><i>Photo</i></p> <p>Contact Details</p> <p>Organization Name: National Renewable Energy Laboratory</p> <p>Address: 1617 Cole Blvd. Golden, CO USA 80401</p> <p>Phone: (303)-384-6497</p> <p>Email: Joey.luther@nrel.gov</p>	<p>Joseph M. Luther, Ph. D. National Renewable Energy Laboratory</p> <p>Dr. Joseph Luther is a senior scientist at the National Renewable Energy Laboratory in the Chemical Sciences and Nanoscience division of the Basic Sciences. He obtained B.S. degrees in Electrical and Computer Engineering from North Carolina State University in 2001. Under the direction of Prof. Salah Bedair, he studied III-V semiconductors for white light emitting diodes and tandem junction solar cells as an undergraduate. His interest in photovoltaics sent him to the National Renewable Energy Laboratory (NREL) to pursue graduate work. He obtained his Masters in Electrical Engineering from the University of Colorado while studying deep level defects in bulk semiconductors at NREL in the Measurements and Characterization department. He moved into the field of Nanoscience for his Ph.D. in Applied Physics from Colorado School of Mines under the direction of Dr. Arthur Nozik in NREL's Basic Science division. His Ph.D. thesis focused on developing the first solar cells from coupled arrays of quantum-confined nanocrystals. He then joined the Alivisatos group at Berkeley for his post-doctoral work where he worked on chemical transformations of semiconducting nanorods. His current work focuses on synthesis, properties, and photovoltaic device applications of colloidal nanocrystals and quantum dots.</p>
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