



Topic of the Speech:

Doubling the Power Conversion Efficiency of Single-junction Solar Cells

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Prof. Bingqing Wei is the George W. Laird Professor of Mechanical Engineering and serves as Director of the Center for Fuel Cells and Batteries at the University of Delaware (UD). Before joining UD in 2007, he was an assistant professor in the Department of Electrical and Computer Engineering and Center for Computation and Technology at Louisiana State University 2003-2007. He was a research scientist at Rensselaer Polytechnic Institute, Department of Materials Science and Engineering, and Rensselaer Nanotechnology Center 2000-2003. From 1993 to 2001, he was a faculty member at Tsinghua University in Beijing.

Wei's research portfolio spans a diverse range of topics, with a particular focus on nanomaterials and nanotechnology (carbon nanotubes and graphene), renewable energy (solar cells and photo-induced hydrogen), and advanced electrochemical energy systems (supercapacitors and batteries). He was awarded the Highly Cited Researchers award from Clarivate, selected to be a Fellow of the Royal Society of Chemistry, and appointed to be the inaugural Field-Chief-Editor of *Frontiers in Nanotechnology*.