

## **Toward Platinum-Free Fuel Cells for Affordable Zero-**

**Bio:** Yushan Yan is the Distinguished Engineering Professor and the Associate Dean for Research and Entrepreneurship of the College of Engineering at the University of Delaware. He studied Chemical Physics (BS) at the University of Science and Technology of China, Heterogeneous Catalysis at the Dalian Institute of Chemical Physics of the Chinese Academy of Sciences, and Chemical Engineering (MS/PhD) at the California Institute of Technology. He worked for AlliedSignal as Senior Staff Engineer and Project Leader before joining the faculty at the University of California Riverside where he served as the Department Chair. His major recognitions include Fellow of the American Association for the Advancement of Science, the Donald Breck Award from the International Zeolite Association, the Nanoscale Science and Engineering Forum Award from the American Institute of Chemical Engineers, and the Energy Technology Division Award from the Electrochemical Society. He was one of 37 awardees of WJF c G CTRC-E OPEN 2009 (1st open call for proposals) and one of 66 awardees of the ARPA-E OPEN 2012 (2nd open call for proposals). He has been an inventor on a number of issued or pending patents, some of which were licensed to form startup companies (e.g., NanoH<sub>2</sub>O and OH-Energy). His research has led to 230+ publications that are widely cited (14,000+ citations, h-index = 64 and average citation/paper = 61) and been extensively covered by the media including *New Scientist*, *Business Week*, *C&EN News*, *Materials Today*, *MRS360*, *Chemical Engineering Progress*, *China Press*, *Chinese Daily News*, *CNBC*, *CNN.com*, *KABC*, *Radio Australia*, and *VOA*.