Name	Yunan Wang
Affiliation	Ningbo Institute of Materials Technology and Engineering CAS, China

Invited Keynote Lecture

Presentation Title	Performance and Durability of PEMFC Catalysts Based on Accessible Carbon Supports
Abstract (150 words)	The high cost of PEMFCs, hindering hydrogen energy promotion, is primarily attributed to cathode catalysts costs (Over 40% of total). Therefore, research and development goals are to significantly reduce the amount of cathode platinum and improve its durability without losing rated power and lifespan. This presentation will discuss the following content: Development of Fuel Cell Catalyst and Membrane Electrode Assembly; Improvement of Platinum Electrode Transmission Performance; The Key Role of Accessible Carbon Mesopores in Improving Catalyst Activity and Lifespan.
Biographical Sketch (150 words)	Dr. Yunan Wang, a professor and doctoral supervisor at the Ningbo Institute of Industrial Technology (NIMTE) of the Chinese Academy of Sciences (CAS), selected into the national high-level talent program. Dr. Wang obtained Ph.D from the Tokyo Institute of Technology in 2015 under the guidance of Prof. Takashi Tatsumi, a master in the international catalysis community. She was invited to join Toyota Motor Corporation as a Chief, where her research interests focus on fuel cell catalyst, membrane electrode assembly design as well as cost control, and the results have successfully applied to Toyota's MIRAI series fuel cell vehicles, having led over 10 national key R&D projects in Japan.