

Colloquium

Department of Engineering
and System Science,
Institute of Nuclear
Engineering and Science,
National Tsing Hua University

Hydrogen Production from Renewable Energy Driven Electrolytic Water Splitting

呂世源教授, Dr. Shih-Yuan Lu,
Professor, Department of Chemical
engineering,
National Tsing Hua University

In this talk, the presenter will discuss the need of hydrogen as a clean energy carrier for the infrastructure of future low carbon economy and development of cost-effective, efficient, and stable electrocatalysts for green hydrogen produced from renewable energy driven electrolytic water splitting.

15:30-17:20 P.M., Wednesday, June. 3rd,

2020 NE69 ESS Building, NTHU

101, Sec2, Kaung-Fu Rd., Hsinchu
30013, Taiwan

Biography:



Shih-Yuan Lu received his BS and PhD degrees, both in chemical engineering, from the National Taiwan University in 1983 and University of Wisconsin at Madison in 1988, respectively. Before joining the Department of Chemical Engineering of the National Tsing Hua University, Taiwan as an Associate Professor in 1993, he worked as a senior engineer at Inland Steel Co., USA from 1989 to 1992 and as an associate scientist at SCM Chemicals, USA from 1992 to 1993. He was promoted to full Professor in 1996, awarded Tsing Hua Distinguished Professorship in 2012 and Tsing Hua Chair Professorship in 2017, and elected a fellow of the Royal Society of Chemistry in 2020. Dr. Lu served as the Chairman of the department from 2007 to 2010 and Associate Dean of the College of Engineering from 2012 to 2015. He has received several awards, both in research and teaching, including twice Outstanding Teaching Award of the National Tsing Hua University in 2005 and 2013, Prof. Zai-De Lai Award of The Chinese Institute of Chemical Engineers in 2005, twice Outstanding Research Award of the National Science Council (now Ministry of Science and Technology) of the Executive Yuan, Taiwan in 2006 and 2016, and Y. Z. Hsu Scientific Paper Award in Nanotechnology of Far Eastern Y. Z. Hsu Science and Technology Memorial Foundation in 2008. Dr. Lu currently serves as an editorial board member in J. of the Chinese Institute of Engineering, an editor in Adv. Powder Technology, and a consulting editor in J. of the Taiwan Institute of Chemical Engineers. His research focuses on preparation of nanomaterials and nanostructure and their applications in energy storage, including electrolytic water splitting, supercapacitors, lithium ion capacitors, and lithium-sulfur batteries, and has coauthored over 190 academic papers

sylu@mx.nthu.edu.tw