

第15回稻盛フロンティア研究セミナー

Micro/Nano Materials for Energy Storage, Fuel Cells and Sensors

Speaker: Prof. Dr. Li-Xian Sun

Date: 29th August (Friday), 2014

Time: 10:00~11:00

Place: Seminar room

(2nd Floor, INAMORI Hall)

Attendance: Free



Abstract

A brief introduction will be given: 1) Thermochemistry study for design and preparation of new materials such as phase change materials, high energetic materials, nano materials, functional materials, super-conductivity materials, etc.; 2) Development of new energy including hydrogen storage material, fuel cells such as biofuel cells, proton exchange membrane fuel cells, direct methanol fuel cells, clean combustion of coal, etc.; 3) Bio/chemical sensors based on quartz crystal microbalance, slab optical waveguide and electrochemistry for hydrogen, glucose, etc..

More details will be discussed in the development of micro/nano materials such as metal alloys, metal hydrides, MOFs, graphene for batteries, hydrogen storage, gas separation and sensors.

About the Speaker

Dr. Li-Xian Sun received Doctor's degree from Hunan University in 1994. 1995~2002, he worked in Jena University and AIST as AvH Fellow and guest professor. 2001~2013, he worked as a professor in Dalian Institute of Chemical Physics, Chinese Academy of Sciences.



He has published more than 230 SCI papers. He is now the dean of School of Material Science and Engineering, Guilin University of Electronic Technology. He is on the editorial boards of *The Journal of Chemical Thermodynamics*, *Journal of Thermal Analysis & Calorimetry*, and *International Journal of Electrochemical Science*.

問い合わせ

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