

62nd GREEN Open Seminar

2017/10/31(Tue) 16:00~17:00

Venue : Auditorium, 1F, WPI-MANA Bldg., Namiki Site, NIMS

Coherent and Incoherent Synchrotron X-ray Scattering Studies of Electrodes in Nanoscale



Dr. Hoydoo You

Physicist, Argonne National Laboratory (USA)

Abstract

Studies of electrochemical interfaces with in situ synchrotron x-ray scattering techniques will be reviewed. In addition to the traditional incoherent surface x-ray scattering techniques for studying physical and chemical structures, new coherent x-ray scattering techniques will be introduced for studying interface dynamics and nanoscale imaging. The topics to be reviewed include reconstructions, dissolutions, electrocatalysis, and recent results on double layer structures.