

The 141th MANA Special Seminar



Nanowires for optoelectronics and renewable energy

Chair: Dr. Yoshio Bando (MANA Chief Operating Officer)

Prof. Deli Wang

*(Department of Electrical and Computer Engineering,
University of California - San Diego, USA)*

Quasi 1-dimensional semiconductor nanowires have been intensively studied in the past decade due to their great potential and promise for nanoscale electronics and photonics. The unique geometry and dimension of nanowire enable novel confinement of the confinements of charge carriers and photons, which, empowered by the rational growth of nanowires and precise control over properties at nanometer scale, promise high efficiency photodetection and photovoltaics. This presentation will discuss the systematic study on the understanding of rational growth of compound semiconductor nanowires and heterostructures, and their applications for optoelectronics and renewable energy (if time allows).

Venue: Seminar Room #431, MANA Bldg.
Date: Apr 28th Wednesday Time: 11:00-11:45

Contact: International Center for Materials Nanoarchitectonics (MANA), Nakata (ex. 8806)

