

# NanoSafety at AIT

## “Safety Implication of NanoSilver”

on

1 November 2010 (Monday)

3:30 pm – 4:30 pm

by

**Dr. Rawiwan Maniratanachote**

National Nanotechnology Center (NANOTEC)  
Thailand

Venue:

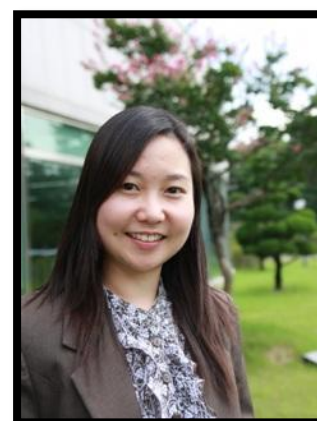
**Room 102, Outreach Building, Asian Institute of Technology**

### **Abstract**

With new properties come new issues. This is what makes “nano” interesting. The issue of safety of nanomaterials has arisen since they are being used in different new ways. Because of their very small size and higher surface area per mass, most nanomaterials often behave differently from their bulk counterparts and need to be tested separately. As with ordinary materials, some nanomaterials will be more harmful than others, and some may be appropriate in one context, but not in another. The talk will focus on safety implication of nanosilver, one of the high frequent used nanomaterials, on human health and the environment.

### **Biography**

Nanotechnology Center (NANOTEC) is a member of the National Science and Technology Development Agency (NSTDA) under the Ministry of Science and Technology. NANOTEC establishes support and promotes the development and application of national nanotechnology strategic programs through research innovations, technology transfer, human resource and infrastructure development. Dr. Rawiwan received her doctorate degree in Pharmaceutical Sciences (Molecular toxicology) from Kanazawa University, Japan where she also attended postdoctoral fellowship from 2005 to 2007. Her main research interests are in the area of investigation and classification of nanomaterials toxicity; nanomaterials safety on human health and environmental impacts; and risk assessment of nanomaterials.



Currently, Dr. Rawiwan is a Research Scientist at Nano Safety and Risk Assessment Lab at NANOTEC. Her responsibilities included initiating NanoSafety laboratory, conduct research on nanotoxicology and risk assessment, and deliver lectures on safety/toxicity of engineered nanomaterials. Dr. Rawiwan was a Guest Scientist at EMPA Material Science and Technology at St. Gallen, Switzerland from May to November 2008. Dr. Rawiwan has published extensively in international journals and authored one book chapter. Her outstanding scientific work has earned her several scholarships and awards.