

# The 15<sup>th</sup> CU-af Seminar (July 24, 2007)

## Keynote Lecture :

### **“Sustainable Nanofoundation For Green Technology”**

by Prof. Dr.Somsak Panyakeaw

Department of Electrical Engineering, Faculty of Engineering

## Research Titles and Presenters are :

### **Group 1 Medical Science and Science Technology**

- 1.) **“Oxidative Stress, Renal Impairment, and Stone Risk in Inhabitants Environmentally Exposed to Cadmium in Mae Sot, Tak Province”**  
by Prof. Dr.Piyaratana Tosukhowong
- 2.) **“Cadmium and Zinc Removal from Soil by Cut Flower Plants”**  
by Assoc. Prof. Dr.Thares Srisatit
- 3.) **“Development of Microbial-based Biofuel Cells from Renewable Fuel Sources for Clean A Hernate Energy Source”**  
by Lecturer Dr.Aksara Putthividhya
- 4.) **“Desulfurization of Transportation Fuels through Selective Adsorption on Metal Oxides”**  
by Lecturer Dr.Chawalit Ngamcharussrivichai
- 5.) **“Structure and Phase Transitions of Photovoltaic Materials and Related Ternary Compound Semiconductors under High Pressure”**  
by Lecturer Dr.Thiti Bovornratanaraks

### **Group 2 Environmental Management and Waste**

- 1.) **“Laboratory Safety and Chemical Management as a Model for Research-based University in Thailand”**  
by Assoc. Prof. Dr.Supawan Tantayanon  
Department of Chemistry, Faculty of Science
- 2.) **“Strategic Management of Chemical Tracking at Chulalongkorn University as a Model for Educational Institutions in Thailand”**  
by Assoc. Prof. Dr.Lursuang Mekasut
- 3.) **“Hazardous Waste Management and Chemical Disposal System as a Model for Research-based Universities in Thailand”**  
by Assoc. Prof. Dr.Khantong Soontarapa
- 4.) **“Porous Clay Heterostructures for Wastewater Treatment : A Development from Bentonite Clay in Thailand”**  
by Dr.Hathaikarn Manuspiya