

The 11th Presentation of Foundation-Assisted Research Findings Overseas

Chulalongkorn University, Thailand:

Date: May 30, 2003 9:00-13:30

Theme: "Environmental Research, Engineering Technologies, and Health Sciences"

Dr. Tatchai Sumitra, president of the university, delivered the opening address and was followed by greetings from Mr. Tadayuki Ooi, chairman of the Thai Asahi Glass Foundation, and Dr. Voradej Chandarasorn, permanent secretary of the Ministry of University Affairs. The subsequent keynote lecture was given. The assembly then divided up into three separate venues according to the subject areas to present the 10 topics mentioned below. Approximately 120 university and corporate researchers from the Bangkok area as well as resident Japanese citizens attended the seminar and engaged the participants in vigorous question and answer sessions.

- (1) Dr. Shigetaka Wada, Professor, Chulalongkorn University
Keynote Lecture: Research Trends in Nanotech for Engineering Ceramics

Group1: Environmental Research

- (2) Dr. Pecthporn Chawakitchareon, Associate Professor, Department of Environmental Engineering, Faculty of Engineering
Utilization of Silica-Alumina Waste as a Binder in the Mercury Sulfide Sludge Solidification Process
- (3) Dr. Khantong Soontarapa, Assistant Professor, Department of Chemical Technology, Faculty of Science
A Quasi-Membranous Compound Filter for Wastewater Treatment
- (4) Dr. Thares Srisatit, Associate Professor, Department of Environmental Engineering, Faculty of Engineering
Efficiency of *Colocasia Esculenta* (L.) Schott (Bon Khiew and Bon Cheen Dumm) in Constructed Wetlands for Chromium Removal of Tannery Post-Treatment Wastewater

Group2: Engineering Technologies

- (5) Dr. Orawan Chailapakul, Assistant Professor, Department of Chemistry, Faculty of Science
Preparation of Silicalite Membrane for Separation of Hydrocarbons
- (6) Dr. Lunchakorn Wuttisittikulij, Assistant Professor, Department of Electrical Engineering, Faculty of Engineering
Optical Network Design Based on a Multiple Ring Approach
- (7) Dr. Asi Bunyajitradulya, Associate Professor, Department of Mechanical Engineering, Faculty of Engineering
Experimental Study on Non-Zero Tangential Velocity, Non-Zero Circulation, Swirling Jet in Crossflows

Group3: Health Sciences

- (8) Dr. Suwimol Sanpawat, Assistant Professor, Department of Pediatrics, Faculty of Medicine
Glucose-6-Phosphate Dehydrogenase Deficiency in Normal and Jaundiced Newborns: A Molecular Genetics Study
- (9) Dr. Kanyarat Kraivichain, Assistant Professor, Department of Parasitology, Faculty of Medicine
Treatment of Cutaneous Gnathostomiasis with Ivermectin
- (10) Dr. Sopit Thamaree, Associate Professor, Department of Pharmacology, Faculty of Medicine
Effects of Russell's Viper Venom on Mediator Production in Cultured Human Umbilical Vein Endothelial Cells
- (11) Dr. Anan Srikiatkhachorn, Associate Professor, Department of Physiology, Faculty of Medicine
Role of Nitric Oxide and Serotonin in the Modulation of Cortical Spreading, Depression-Evoked Craniovascular Nociception



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