

WIN TRIVITAYANURAK

Civil and Environmental Engineering
Carnegie Mellon University
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EDUCATION

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA
PhD in Civil and Environmental Engineering, expected 2008

Research: High time-resolution size-resolved aerosol predictions: Aerosol microphysics model evaluation
Began 6/2004

Advisor: Dr. Peter Adams

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA
MS in Civil and Environmental Engineering, 2004

CHULALONGKORN UNIVERSITY, Bangkok, Thailand
B.Eng. Environmental Engineering, Pollution Control major, 2000

PROFESSIONAL EXPERIENCE

Environment and Energy International Co., Ltd. (EEI), Bangkok, Thailand;
Environmental Engineer, 9/2000 –11/2002.

Manage numerous projects in the process of document preparation to presentation.
Main responsibilities in environmental department projects as listed below.

- Pattaya City Wastewater Treatment Plant Operation and Maintenance Project; preparation of tender and investigation of the operation after awarded of the project.
- Pattaya City Municipal Solid Waste Management Project; preparation of tender, planning of collection and transportation as well as disposal by landfill.
- High Temperature Waste Recycle Project; preparation of prefeasibility study for the project.
- Refuse Derived Fuel Model Project; Preparation of proposal to Bangkok Metropolitan Administration (BMA), Ministry of Industry (MOI) and New Energy Development Organization (NEDO) of Japan.
- Fluorescent Lamp Recycle Project; preparation of proposal to BMA for materialization of the project.
- Waste Oil Recycle Project; preparation of proposal to BMA for materialization of the project.

- Biomass Gasification Power Generation Project; preparation of proposal document, calculation of financial viability of the project.
- Solid Waste and Hazardous Waste Disposal System for Ratchaburi Recycle Paint Factory; Consultancy, including detailed design of landfill, secure landfill, and wastewater treatment plant construction, preparation of specification, preparation operation manual.

The Public Relations Department (PRD), Office of the Prime Minister, Bangkok, Thailand; *News translator, part-time during 2002*
Translating Thai news to English for the PRD news broadcasting radio and PRD website.

Electricity Generating Authority of Thailand (EGAT), Nonthaburi, Thailand; *Internship, 3/1999 – 5/1999*
Most of the study is on Environmental Impact Assessment (EIA) report and Environmental Quality Monitoring report. The specific subjects *are Air Pollution Control and Modeling and Water Quality Control and Treatment.*

SCHOLARSHIP

The Royal Thai Government Scholarship, 2/2002 - 2008
Awarded with the grant to pursue MS-PhD education in environmental engineering specializing in air quality. After completion, will be positioned at *The Department of Highways, Ministry of Transportation.*

British Chevening Scholarship, 2/2002 (waived)
Awarded with the grant from the British Embassy to study MS in environmental engineering for one year in the United Kingdom.