

CHEONG-YIP RON YUEN

Geosciences and Information Technology Section
Environmental Science Division
Argonne National Laboratory

Education:

Ph.D. University of Wisconsin-Milwaukee, Engineering Geology &
Environmental Geology, 1986
M.S. University of Wisconsin-Milwaukee, Quaternary Geology, 1979
B.S. National Taiwan University, Taiwan, Geology, 1975

Professional Experience:

1989-Present Hydrogeologist and Environmental Geologist
Environmental Science Division
Argonne National Laboratory

Responsible for planning, executing, and managing environmental investigations pursuant to NEPA, RCRA and CERCLA regulations, and process and data modeling for database development. Specific activities include developing and implementing effective investigation strategies; identifying available resources to organize teams to meet the needs of each task; developing budgets; designing and implementing investigation programs; coordinating various investigation efforts; assisting sponsors in communicating with regulatory agencies; characterizing contamination on sites; developing conceptual models of contaminant transport; designing site-wide ground water monitoring systems; identifying and screening treatment technologies for contaminated ground water; building databases and Microsoft windows interfaces, and preparing reports of information, analyses, findings, and conclusions.

Summary of Previous Experience:

1986-1988 The University of Wisconsin, Milwaukee, Wisconsin

Research on the application of landsat image and aerial photograph analyses to landform development and sedimentation environments in Upper Michigan. Conducted research on river ice fracturing caused by ship-induced ice-coupled waves. Taught structural geology course offered to senior undergraduate students.

1983-1985 The University of Wisconsin, Milwaukee, Wisconsin

Supervised students performing mechanical, optical and ultrasonic testing for ice, and developed and installed a data acquisition system for an MTS testing machine in the

university. Taught laboratory courses in chemical hydrogeology, optical mineralogy, and general geology as a teaching assistant.

1983-1985 Independent Consultant

Provided consulting service to Exmin Corporation (Bloomington, IN) in mineral exploration in glaciated areas, and helped the company reduce substantial sampling costs. Provided consulting service to home owners on shore erosion along Lake Michigan.

1975-1976 National Taiwan University, Taipei, Taiwan

Studied metamorphic zones in Eastern Taiwan. Specific assignments included geologic field surveys and laboratory petrographic studies of rocks.

Research Interests:

Application of process geomorphology and sedimentology to contaminant transport in environmental investigations and environmental management systems, process and data modeling for database development.

Professional Activities:

American Geophysical Union
National Ground Water Association
Geological Society of America
Certified Professional Geologist, States of Illinois and Indiana
Engineer-in-training, State of Wisconsin
ASTM

Publications:

Author or co-author of 40+ journal, report, and conference publications and presentations.