

Professional Short Course Series

Risk-Based Subsurface Environmental Management

November 29–30; December 2, 5–6, 2011

Schedule

9:00–17:30

Tuesday, Nov 29

Health Risk Assessment

Exposure assessment; dose estimation; toxicity assessment and risk computation; probabilistic approach

Wednesday, Nov 30

Site Characterization and Environmental Statistics

Field exploration; soil, water, and vapor sampling; monitoring; aquifer testing; conceptual site model; geostatistics; statistical data analysis; trend analysis

Friday, Dec 2

Fate and Transport Analysis

Physical, chemical and biological processes; vapor intrusion; modeling; indirect exposure risk assessment

Monday, Dec 5

Containment and Remediation Techniques

Ex-situ and in-situ methods: conventional and innovative techniques

Tuesday, Dec 6

Policy, Regulation, and Management

Regulatory, policy and management framework; remedial investigation and feasibility study; risk-based decision making

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Instructors

Dr. Chin Man Mok

TUM-IAS Rudolf Diesel Industry Fellow and Principal Engineer Hydrogeologist at AMEC, USA

Dr. Ravi Arulanantham

Principal Toxicologist at Geosyntec, USA

James A. Jacobs

Fulbright Specialist and Chief Hydrogeologist at EBS, USA

Target Audience

Environmental regulators and policy makers, industry professionals, graduate students

Location

TUM Institute for Advanced Study (TUM-IAS)
Faculty Club (4th floor)/Auditorium (ground floor)
Lichtenbergstraße 2 a
85748 Garching

More information and registration at:

www.tum-ias.de/risk-based-environmental-management