

W-07 Aquatic chemistry

- Objective:** The participants will achieve a basic knowledge about chemical principles governing aquatic systems. They will be able to apply the basic concepts of aquatic chemistry to both natural and engineered systems
- Contents:**
- Overview of aquatic chemistry; speciation; acid/base equilibrium
 - Heterogeneous systems, mineral solubility, precipitation and dissolution
 - Chemistry of metal in aquatic solution, ligands, complex formation
- Who should attend:** Engineers and technical specialists from the public and private sector with a need of an introduction to the subject
- Courseware:** Selected slides and background documents as handouts and/or electronic files
- Certification:** Attendance certificate (subject to 80 percent attendance)
- Duration:** 3 lessons (2 hours each)
- Schedule:** (Please enquire)
- Costs:** \$ 400 per participant (inclusive of GST)
A discount of 20 percent applies to 3 or more participants from the same organization in the same course
- Instructor:** Tang Chuyang (Assistant Professor, NTU), environmental chemist, educated as an environmental and civil engineer (BEng, MEng, PhD). Competencies cover aquatic chemistry, surface and interface chemistry, colloidal stability, material science, and advanced physical and chemical methods. Specialization on membrane technology, including membrane bioreactors and membrane hybrid systems
- Enquiries and registration:** DHI Water & Environment, tel. 6777 6330, e-mail: info@dhi-ntu.com.sg