

DATA-05 **Advanced GIS applications**

- Objective:** To obtain an improved understanding of the potential of GIS (geographic information system) applications for water- and environment-related studies, monitoring and management
- Contents:** What is GIS?
Data: Origin, characteristics, capture, quality and documentation
Digital elevation models (DEMs); spatial analysis; network modelling
Applications: EIA; environmental monitoring; decision-support
- Who should attend:** Professional (administrative or technical) staff from the public and private sector who are involved (or otherwise have an interest) in management, analysis and presentation of spatial data
- Courseware:** Selected slides and background documents as handouts and/or electronic files
- Certification:** Attendance certificate (subject to 80 percent attendance)
- Duration:** 2 lessons (2 hours each)
- Schedule:** Lesson 1: Monday 1 September 2008 4pm - 6pm
Lesson 2: Wednesday 3 September 2008 4pm - 6pm
- Costs:** \$ 300 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:** Lars Christian Larsen (DHI Singapore), data management specialist, working with hydrometrics and hydroinformatics, software architecture, information systems design, network technology and data transmission, and GIS applications, with international experience from development, commissioning and operation of real-time monitoring systems for urban water management, flood forecasting, and offshore engineering
- Enquiries and registration:** DHI Water & Environment, tel. 6777 6330, e-mail: info@dhi-ntu.com.sg