

Hydraulic Engineer/Expert

DHI-NTU Water & Environment Research Centre and Education Hub is currently seeking to appoint one to three Hydraulic Engineers/Experts to work on research projects. The DHI-NTU Centre seeks to provide you with a transparent career path linked to continued development of your professional competencies.

The team focuses research and training activities on Industrial Water Management, Urban Water Management, Solid Waste Management, Environmental Risk Assessment and Decision Support Systems. Within the Environmental Impact Assessment group we need a Hydraulic Engineer/Expert to develop methods to mitigate the negative impact on the environment of turbid water. The Hydraulic Engineer/Expert must be experienced in hydraulic and sediment transport modelling, preferably using DHI Software. The team's capabilities cover software development, research and consulting within all aspects of water.

Responsibilities of Hydraulic Engineer/Expert:

- Work on research projects to manage coastal waters including sediment transport
- Review data including published reports and papers as well as monitoring and field survey data
- Set up all relevant model data including bathymetry and boundary conditions for different environmental processes (sediment transport and ecological processes)
- Develop and test methods to mitigate environmental problems related to sediment transport processes including spill from dredging and reclamation projects
- Work within a team environment to address project and research needs
- Participate in processes concerning the development of research projects and ideas
- Responsible for working on multiple projects simultaneously as directed by management
- Participate in company meetings concerning projects and education programs
- Document research work and results in reports and scientific papers
- Develop material for and conduct training courses

Requirements of Hydraulic Engineer/Expert:

- At least a Masters degree but preferably a PhD in a hydraulic engineering and sediment transport related field (Natural Science/Engineering)
- Advanced knowledge of numerical modelling – preferably using DHI Software
- Extensive experience related to sediment transport
- Advanced knowledge of Microsoft Office applications
- Above average written and verbal communication skills in English
- Strong time management and organizational skills with the ability to multi-task
- Able to work independently as well as in a team to complete projects on time
- Desire to stay up-to-date on current and emerging technologies
- Provide solutions and exceed expectations of DHI's clients and management
- Responsible for meeting set goals and deadlines as determined by management
- Willing to work after office hours whenever required

Pay:

Attractive remuneration package based on experience and educational qualifications

If interested, please send your detailed resumé to hr@dhi.com.sg, indicating the position in the subject by 15 April 2009.