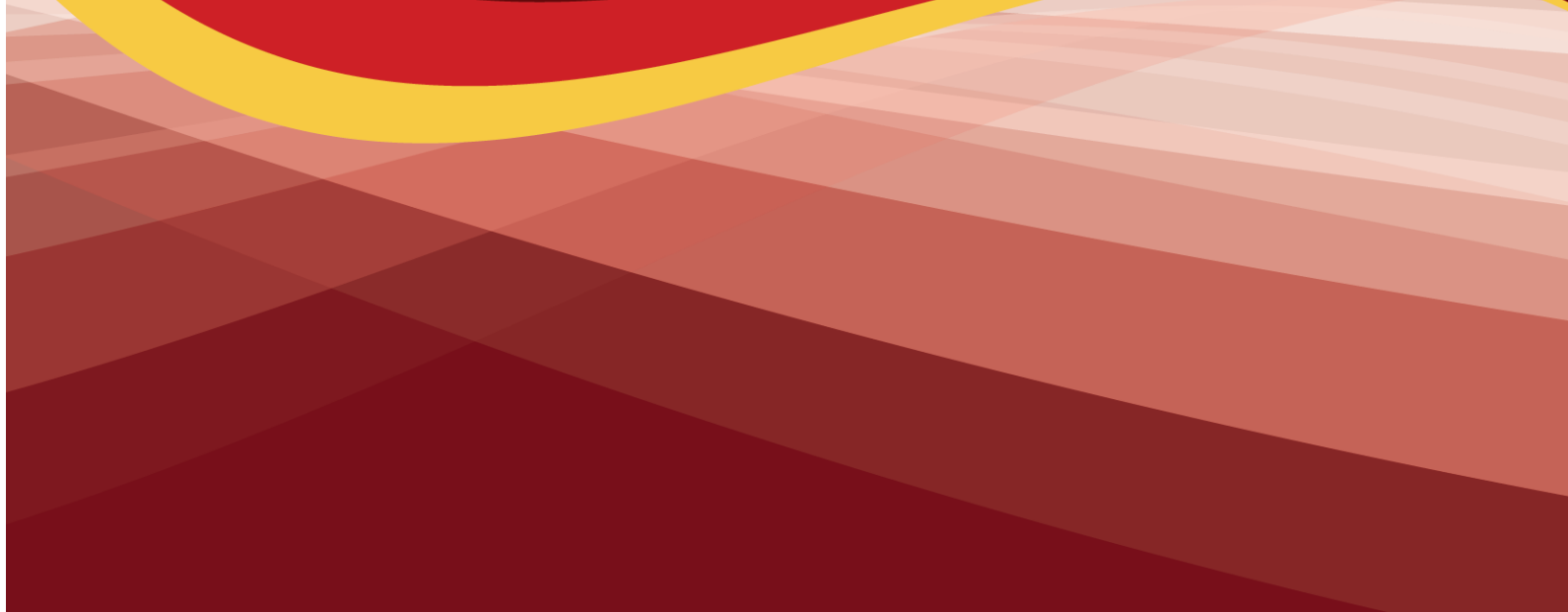


# *Department* **REPORT**

Annual Report 2009



# Department Of Hydraulics And Hydrology



The Department of Hydraulics and Hydrology is one of four departments in the Faculty of Civil Engineering. The Department currently has 30 academic teaching staff and 8 technical staff. A unique feature is the close link with the industry and public bodies, which is integral to the department's approach to research, education and knowledge exchange. The department is closely involved with several prominent local water industries, water resource related organisations and universities worldwide through academic links and consultancy projects. The civil engineering profession particularly water resource engineering is evolving to meet the new challenges faced by society including planning and management of water resources and creating a sustainable future for all.

The main scientific areas dealt with by the Department relate to both the qualitative and quantitative aspects of the river basin, urban watershed, agricultural watershed, rural watershed, estuary, climate and coastal environment and the related water engineering works. The academic staff of the Department teach a total of 18 courses of the Civil Engineering curriculum, some of which are addressed to all the undergraduate students of the Faculty and others to those who follow the Master in Hydraulics and Hydrology programme by taught course. The staff also supervise final-year students carrying out professional design project and undergraduate theses, postgraduate theses as well as PhD dissertations.



The Department actively pursues innovative and significant research to address the challenges for water resource engineering in the 21st century, such as environmental hydraulics, climate change, flood management, coastal engineering and management, river basin management, peat hydrology and forest hydrology. The department aims to deliver scientific break throughs that will lead to solutions by establishing several research groups under the umbrella of the Water Research Alliance. In addition, three of the department staff serve as leaders of water research alliance and the National Oceanography Directorate. Numerous publications by the department staff are listed in the publication

section. The Department staff are also actively involved in various consultancy works led by the Centre of Excellent; IPASA and IKPLP. The details of consultancy works are presented in consultancy section. The Department successfully organised short courses, international conferences and colloquiums in 2009 and the events are illustrated in the table below:

## ACTIVITIES OF DEPARTMENT

No.	Activities	Venue	Date
1.	“Colloquium on Fire Engineering” by Prof. Dr. Roger Plank (University of Sheffield, UK)	Bilik Seminar, FKA	20/02/2009
2.	Intellectual Discourse on “How to write research papers” oleh Prof. Dr. Roger Plank (University of Sheffield, UK)	Smart Class Room, FKA	25/02/2009
3.	Colloquium on Current Research in Hydrology and Water Resources at Imperial College, London by Prof. Howard Wheater.	Seminar Room, M6, FKA	22/05/2009
4.	International Conference on Water Resources (ICWR 2009)	Langkawi	26/05/2009 - 27/05/2009
5.	Colloquium on writing in ISI Journals by Dr. Abbas Yeganeh	Seminar Room, M6, FKA	17/07/2009
6.	2 <sup>nd</sup> Colloquium on Writing in ISI Journals by Dr. Abbas Yeganeh	Seminar Room, M6, FKA	29/07/2009
7.	Short Course on Infoworks	UTM	22/07/2009

