



## CONSTRUCTION TECHNOLOGY AND MANAGEMENT CENTRE (CTMC)

CTMC was established in 1999 with the aim to stimulate and facilitate the research and post graduate programmes related to the construction and management related areas. CTMC conducts technological research and consultancy for organisations with particular construction concerns and specialises in continuing education, courses, workshops and conferences in construction. The main activities in CTMC are publications, conference proceedings, reports and book publication, research, consultancy and post graduate programmes.

Publication has been an important activity for the centre which involves international and local journal and conference proceedings. The papers are published in local and International Journal of Construction for Developing Countries such as Malaysian Construction Research Journal (MCRJ), Journal of Asian Architecture and Building Engineering, and the Malaysian Journal of Civil Engineering (MJCE).

Some of the papers were published in conference proceedings such as the National Postgraduate Conference on Engineering, Science & Technology,

University Technology of Petronas 7th Asia Pacific Structural Engineering and Construction Conference (APSEC) Conference on Building Science and Engineering (ICON-BSE),

Apart from publication, CTMC also focus on book publication. The book, "System Fast-Track Wall" (FTW), was eventually published by the UTM Press.

CTMC is very committed in engaging research works directly related to the development of the construction industry. The centre strives to secure grants from various agencies such as MOSTI, FRGS and CIDB apart from the UTM grant made available to Centre of Excellence and Research Groups within the university. A total number of six research projects were carried out with a total cost of RM1,728,400. The projects were funded mostly by FRGS and Science Fund.

Another important activity carried out by CTMC includes consultation works in construction related areas. Consultation works that had been completed in 2009 among others are, "Traffic segregation project at grade intersection Pandan Indah





MRR II Kuala Lumpur” and “Laboratory testing and analysis on rock core samples” amounting to a total of RM67,140.00.

CTMC is also well known for managing post graduate programme since its inception. These programmes are related to construction technology and management areas and are very popular among construction professionals throughout the nation. The programme is conducted at Master and Doctorate level. The Master in Project Management Programme is a special program originally developed by CTMC together with Public Works Department (JKR) as one of the efforts to train JKR engineers to be more knowledgeable in their management approach. In 2009 this programme had 42 students. This programme is currently offered to other candidates as well. The implementation of this programme has made successful partnership between CTMC and IBS. There is another unique post-graduate programme offered

by CTMC to all professionals in the construction industry. Presently this programme is the only one available in the country which provides an alternative channel for working and practising engineers and professionals to pursue academic achievement up to doctorate level without taking a break from his/her work place. The programme consists of taught modules and research modules. The research done in Engineering Doctorate programme aims to address issues faced by the construction industry currently and also to find probable solution to the problems. In 2009 CTMC had 14 candidates doing research under this programme.

CTMC is also active in promoting University-Industry Collaboration in research and design and consultancies. Presently CTMC has inked to a number of MoU's of which one is with Lembaga Lebuhraya Malaysia, (LLM). Other MoU's are in the pipeline.

