

Activities

Overview

Innovations and applications of advanced technologies and management approaches can potentially revitalize the old-fashioned construction business and change its “low tech” image.

Yet, the overall level of innovation in construction stands at a relatively low level. For example, (1) information transmission (say drawings and technical specifications, etc.) between participants in construction projects are still dominantly via the paper medium; (2) the application systems deployed by construction firms are mostly isolated from one another; (3) duplicate data entry is common, causing numerous discrepancies and waste of resources; (4) enterprise-wide and industry-wide information sharing is still difficult due to lack of standardized IT platforms; (5) projects are still procured largely through the traditional low cost method; (6) deficiencies in the regulatory controls in the industry call for innovative reform; and (7) track records in safety are still one of the worst among all industries. These problems are closely related to the nature of the construction business and have impeded the promotion and application of innovation in the construction industry. Discovering better and more suitable innovative solutions to construction has lately drawn the attention from researchers both regionally and globally.

RCCI has oriented its research & development (R&D) endeavours to meet the prioritized needs for the local construction industry, and committed to adding value to the current industry practice. Our research activities may be categorised into, but not limited to, the following areas: (1) **Construction IT**; (2) **Contractual & Regulatory Innovations**; (3) **Value Management in Construction**; and (4) **Project Management**. Specific activities of individual research areas are elaborated in the following sections.

Key Activities Organized for Achieving the Mission of the Research Centre

Since 2000, RCCI members have organized or served as academic advisory members in the following conferences:

1. *International Conference on Construction Information Technology, January 2000, Hong Kong.*
2. *International Conference on Construction Information Technology, July 2004, Langkawi, Malaysia.*
3. *The CIB W89 International Conference on Building Education and Research 2006 (BEAR 2006) - Construction Sustainability and Innovation, 10 to 13 April 2006, Kowloon Shangri-La Hotel, Hong Kong.*
4. *International Conference on Construction Information Technology, November 2006, Deli, India.*
5. *International Symposium on Advancement of Construction Management and Real Estate, November 2006, Beijing, China.*
6. *International Networking for Young Scientists 2007 (INYS 2007): Hong Kong Sustainable Built Environment in the Context of Pearl River Delta, 24 to 26 January 2007, Hong Kong.*
7. *Co-organizers of The first International Conference on Sustainable Urbanizations, 15-17 December 2010, Harbour Grand Kowloon, Hong Kong.*
8. *The CRIOCM2010 International Symposium on "Advancement of Construction Management and Real Estate", 6th – 8th Aug Johor, Malaysia.*

