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## YU Wai-Kin, Dominic

### Specialist Consultant

*Research Engineering Development Façade Consultants Limited*

### Technical Secretary

*Consultancy Study on "Structural Use of Steel using Limit State Approach"*

*Joint Venture between The Hong Kong Polytechnic University and Ove Arup & Partners Hong Kong Ltd.*

### Technical Executive

*The Hong Kong Institute of Steel Construction*

Dr. Dominic Yu is a Specialist Consultant of Research Engineering Development Façade Consultants Limited. Dr. Yu provides consultancy services on assessments and tests of structural fire engineering, research and development of fire protection materials, curtain wall system tests, louver performance tests, non-linear integrated design and analysis, steel and composite design, cold-formed steel design, bamboo and metal scaffoldings design. Before joining RED, he was a Research Associate in the Department of Civil and Structural Engineering at the Hong Kong Polytechnic University. Dr. Yu served as Technical Secretary of the consultancy study contributing to the "Code of Practice for the Structural Use of Steel 2005", and he compiled the Explanatory Materials of the Steel Code. He is also actively serving the Hong Kong Institute of Steel Construction organizing technical seminars and conferences.

### Education

2004 Ph.D in Civil and Structural Engineering, *The Hong Kong Polytechnic University*  
1999 BEng (Hons) in Civil Engineering, *The Hong Kong Polytechnic University*

### Professional Affiliation

Member The Hong Kong Institute of Steel Construction  
Graduate member The Hong Kong Institution of Engineers  
Member & The Hong Kong Institution of Certified Auditors  
Certified Quality Manager (ISO 9001: 2000 Quality Management System)

### Services to Buildings Department

- Drafting Explanatory Materials of the Code of Practice for the Structural Use of Steel 2005.
- Drafting Chinese Version of the Code of Practice for the Structural Use of Steel 2005.
- Drafting Guidelines on the Design and Construction of Bamboo Scaffoldings.
- Working Group on Code of Practice for Scaffolding Systems.

### Invited Lectures

1. MSc Lecture on Fire Engineering and Fire Protection – "*Fire resistance tests*".
2. MSc Lecture on Advanced Structural Steel Design – "*Combined action in member resistances*" and "*Composite construction*".
3. **Yu W.K.** and Chan S.L.: *Typical design of a particular system to Hong Kong Steel Code and Eurocodes*. A training course on Metal Scaffoldings to Buildings Department, 22 February 2006.
4. **Yu W.K.**: *Design of common scaffolding systems*. A training course on Bamboo Scaffoldings to Buildings Department, 1 March 2006.
5. Yuen S.W., **Yu W.K.** and Chan S.L.: *Structural fire test – Principle and laboratory*. Advances in Fire Testing and Codifications, the Hong Kong Institute of Steel Construction, 3-4 November 2006.
6. **Yu W.K.**: *Designing towards Sustainability: The Role of Testing Laboratories*. Evening seminar on sustainable building design, Department of Architecture, University of Hong Kong, 18 December 2006.
7. **Yu W.K.**: *Design of common scaffolding systems*. A training course on Bamboo Scaffoldings for Buildings Department, 17 January 2007.
8. **Yu W.K.**: *Briefing session of Explanatory Materials - Composite construction, Cold-formed steel and Fire resistant design*. A briefing session of the Explanatory Materials for the Code of Practice for the Structural Use of Steel 2005, Buildings Department, 29 January 2007.
9. Yuen S.W. and **Yu W.K.**: *CPD talk on standard fire tests for building structures*. Jointly organized by Structural Division and Building Division, The Hong Kong Institution of Engineers, 28 March 2007.
10. Cheung C.K., Yuen S.W. and **Yu W.K.**: *Product certification of active & passive fire protection products*. Materials Science and Technology in Engineering Conference, The Hong Kong Institution of Engineers, 13-15 June 2007.