Working towards a world-class academic department in the construction and real estate field

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The Hong Kong Polytechnic University

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Greetings!
1. Overview of BRE

- One of the very first three departments of the University established in 1937
- Strong research activities
- Attractive teaching programmes
- Large number of established alumni
- Strong links with the industry
- Intellectually-challenging environment
Vision and Mission

**Vision**: To become a world-class academic department in the construction and real estate field

**Mission**: To achieve academic excellence in the context of construction and real estate.

2. Research/Scholarly Activities

- Leading position in winning RGC GRF grants in the building and real estate field in Hong Kong.
- Outstanding publications in “A” journals in the construction and real estate field.
- Research projects not only have academic merits, but also application value to the industry.
- Thomson Routers ranked PolyU No. 1 in terms of publications and citations between 2003-2008 in “Construction and Building Technology”.
Research Funding

- For nine consecutive years since 2001/2002, PolyU ranked 1st among all institutions in Hong Kong in both the amount of funding and the number of grants received in the discipline of “Civil Engineering, Surveying, Building & Construction”.

Our Scholarly Publications

Thomson Reuters Survey, 2009

<table>
<thead>
<tr>
<th>Citation Ranking</th>
<th>Institution</th>
<th>SCI papers (2003-2007)</th>
<th>Citations (2003-2008)</th>
<th>Citations per paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The Hong Kong Polytechnic University</td>
<td>452</td>
<td>1,243</td>
<td>2.75</td>
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<tr>
<td>2</td>
<td>The University of Illinois¹</td>
<td>378</td>
<td>1,039</td>
<td>2.75</td>
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<tr>
<td>3</td>
<td>The University of California at Berkeley</td>
<td>366</td>
<td>868</td>
<td>2.37</td>
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</table>

¹For the entire University of Illinois system but mainly the University of Illinois at Urbana-Champaign

Table 2: SCI Publications and Citations in Construction and Building Technology

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<td>The Hong Kong Polytechnic University</td>
<td>346</td>
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<td>102</td>
<td>499</td>
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Research Centres/Groups

Department of Building and Real Estate

Research Centre for Construction & Real Estate Economics
- Land & Construction Economics
- Real Estate Economics
- Sustainable Development

Research Centre for Construction Innovation
- Construction Safety
- Housing
- Construction IT
- Value Management in Construction
- Contractual & Regulatory Innovations
- Project Management

Impact on Industry/Community

- International recognition by peers
- Members of editorial board of leading journals
- Keynote addresses in international conferences
- Members of scientific committees of conferences
- Technology transfer to the construction industry
- Roles played by our staff and alumni in society
Entire project team collaborating on one BIM model

36th International Exhibition of Inventions, New Techniques & Products
(Geneva, Switzerland, 2-6 April 2008)

Grand Award – International Press

Gold Award
- Award of High Scientific and Technological Level of the Invention from Romania Ministry of Education, Research and Innovation

Inventor: Ir Prof Wing-bun Lee
Dr Sandy To

Team members: Dr Tan-Pat Chung, Dr Poon-ip Kiok,
By Department of Industrial and Systems Engineering

Grand Award – Prize of the First Inventors & Researchers in Islamic China

Inventor: Prof Albert P C Chan
Prof Francis K W Wong

Team members: Dr Kwong-wai Chan, Dr Michael C Y Lam,
By Department of Building and Real Estate / Industrial Centre /
Institute for Design / Centre
3. Teaching and Learning Activities

- Biggest educator of professional manpower for the building and real estate industry in HK.
- A wide range of academic programmes including PhD, Master, and Bachelor degrees.
- Popular programmes, with strong curriculum and extra-curricular activities.

Outstanding PolyU Alumni

Dr the Hon. Leung Chun-ying
Higher Diploma in Surveying, 1974
Member of Executive Council, HKSAR and Chairman, DTZ Debenham Tie Leung Ltd

Ir Prof. Ng Sai-ho
Diploma in Building, 1992
Consultant, DLS Management Ltd

Dr Alex Cheung Kwek-woo
Associatehip in Building Technology & Management, 1982
Managing Director, Professional Engineering Ltd., Former Director of Buildings Department

Mr David C Cao
Higher Diploma in Surveying & Building Technology, 1970
Chief Executive Officer, China Land (Asia Pacific) Ltd

Prof. Kenneth Pang Tsan-wing
Higher Diploma in Surveying / Building Technology, 1967
Former Commissioner of Rating and Valuation, Rating and Valuation Department, Government of the HKSAR

Mr Liu Sing-cheung
Higher Diploma in Surveying (General Practice), 1973; Advanced Higher Diploma in General Practice Surveying, 1979
Managing Director, Pearl River Hang Cheong Real Estate Consultants Ltd

Mr. Ng Wing-hong
Diploma in Building, 1940
Former Permanent Secretary for the Environment, Transport & Works (Works), HKSAR

Mr Marco Wu Moon-hoi
Higher Diploma in Surveying and Building Technology, 1987
Vice-Chairman, Hong Kong Housing Society

Mr. Thomas Ho On-sing
Higher Diploma in Building Technology and Management, 1978
Chief Executive, Gammon Construction Ltd.
Academic Programmes

PhD/MPhil (50 Students)

Master programmes: (400 Students)
- Construction Law and Dispute Resolution
- Construction and Real Estate
- Project Management
- International Real Estate

Degree programmes (760 Students)
- Building Engineering and Management
- Property Management
- Surveying

Student Exchange Programmes

- Deakin University
- University of Montreal
- Georgia Institute of Technology
- University of Florida
- University of Seoul
- Loughborough University
- Osaka University
- Queensland University of Technology
- University of Western Sydney
Work Integrated Education

DTZ Debenham Tie Leung Ltd
Gammon Construction Ltd.
Government Departments
Jones Lang LaSalle Management Ltd.
Kai Shing Management Services Limited
Knight Frank
LC Surveyors Ltd.
Mapletree Logistics Trust Management Ltd
Midland Surveyors Limited
Mott MacDonald Hong Kong Ltd.
Paul Y Engineering Group Ltd.
Rider Levett Bucknall
Savills
Shui On Properties Management
Swire Properties
Vigers Building Consultancy
CB Richard Ellis Hong Kong
China Overseas Property Services Ltd.
China State Construction
Chun Wo Development
Citybase Property Management Ltd.
Davis Langdon & Souch International
Discovery Bay Services Management Limited

Mentorship Scheme
BRE Advanced Lecture Series

Dialogue with BRE Alumni
4. Professional Services

- Black and Veatch
- Chevalier (Construction) Co. Ltd.
- China Vanke Co. Ltd.
- Chiu Hing Construction & Transportation Company Limited
- Chubb Hong Kong Limited
- Chun Wo Construction & Engineering Co. Ltd.
- Civil Engineering and Development Department
- Construct IT (Hong Kong) Ltd.
- Consumer Council
- Drainage Services Department
- E Man Construction Co. Ltd.
- Fukien Secondary School (Kwun Tong) Ltd
- Gammon Construction Ltd.
- Henderson Real Estate Agency Limited
- Highways Department, HKSAR
- Ho & Ip Solicitors
- Housing Authority
- Housing Society
- K. Wah Real Estates Co. Ltd.
- Land Supreme Surveyors Ltd.
- MTR Corporation Limited
- Pat Davie Ltd.
- Shenzhen Real Estate Research Center
- Sun Hung Kai Real Estate Agency Ltd.
- The Hong Kong Institute of Surveyors
- The University of Hong Kong
- Wah Dai Engineering Company Limited
- Water Supplies Department
- Yau Lee Construction Ltd.

Industrial Links
5. Staffing & Resources

Academic Staff (33)
- Chair Professors: 2
- Professors: 7
- Associate Professors: 8
- Assistant Professors: 8
- Senior Lecturer/Lecturers: 8

Teaching Staff (12)
- Teaching Fellows: 2
- Instructor/Tutors: 10

Adjunct/Visiting Staff (12)

Admin/Technical Staff (22)

Research Staff (42)

Experienced and Dedicated Staff
Research and Teaching Facilities

– Sustainable City Lab
– Building Technology Lab
– Virtual Prototyping Lab
– Information Technology Lab
– Project Studio

6. Summary

• A long journey
• Benchmarking
• Indicators
  – Professors
  – Students
  – Facilities
  – Environment
  – Others?
Academically-challenging and rewarding environment

Happy moments in the congregation!