

## **CURRICULUM VITAE**

Professor V. B. Torrance, CBE, BSc, MSc, PhD, FCIQB, FCMI, FRSA, Hon MRICS

### **1. Brief Personal Data**

Date of Birth : 24<sup>th</sup> February 1937

Place of Birth : Glasgow, U.K.

### **2. Education**

Early Education : Wishaw High School, Lanarkshire, Scotland, U.K

1962: BSc (Hons) in Building, Heriot-Watt University, Edinburgh

1964 : MSc (by Research), Heriot-Watt University, Edinburgh

1969 : PhD, University of Edinburgh (wind-tunnel research into wind effects on buildings).

### **3. Main Awards**

1985 Honorary Member, The Royal Institution of Chartered Surveyors (Hon M.R.I.C.S.)

1991 Commander of the British Empire (C.B.E.)

1992 CIOB, Scottish Branch Award for Outstanding Contribution to the Scottish Construction Industry.

1996 Professor Emeritus, London University.

2005 Anugerah Perkhidmatan Cemerlang, UITM.

### **4. Membership of Professional Institutions**

a) Fellow, The Chartered Institute of Building (F.C.I.O.B.) 1975

b) Fellow, The British Chartered Management Institute (F.C.M.I.), 1975

c) Fellow, The Royal Society of Arts (F.R.S.A), 1976

d) [Graduate Member, The Institution of Structural Engineers (1961 to 1975)]

### **5. Employment**

1966 (Sept) to 1969 (March) Senior Lecturer and Head of Building Division, School of Architecture and Building, Singapore Polytechnic.

|               |           |                  |                          |                                                        |                |                                                          |
|---------------|-----------|------------------|--------------------------|--------------------------------------------------------|----------------|----------------------------------------------------------|
| 31 Julai 2005 | 17,300.00 | Tamat April 2005 |                          |                                                        |                |                                                          |
| 30-Jun-06     | 11,000.00 | AKTIF            | 24/10/2005               | 03-55444195<br>hasmawa@<br>salam.uitm.<br>edu.my       |                |                                                          |
| 2-Apr-06      | 15,400.00 | TAMAT OGOS 2006  | 4/27/2005<br>13 Jun 2005 | 03-55444306<br>hamimah68<br>9@salam.u<br>itm.edu.my    | INTERNAL GRANT | -lanjutan pertama sehingga 02/04/2006 (sepatutnya tamat) |
| 2-Jan-06      | 16,500.00 | TAMAT JULAI 2006 | 27/4/05                  | 03-55444370<br>019-3587016<br>munshi01                 | INTERNAL GRANT |                                                          |
| 30 Mei 2006   | 8,997.00  | Tamat May 2006   | 6/9/2005<br>20/12/2005   |                                                        | INTERNAL GRANT |                                                          |
| 15-Jun-06     | 9,000.00  | AKTIF            |                          | 55444364<br>019-3170285<br>jvbtorrance                 | INTERNAL GRANT |                                                          |
| 31-Aug-06     | 8,097.00  | AKTIF            |                          | 03-55444364<br>019-3170285<br>jvbtorrance<br>@yahoo.co | INTERNAL GRANT |                                                          |

|                                      |                                                                                                                                                           |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1969 (March)<br>to 1972<br>(January) | Associate Professor and Head of Department of Building and Estate Management, Faculty of Architecture and Building, The National University of Singapore. |
| 1972 (Feb)<br>to 1988(Aug.)          | William Watson Professor and Head of Department of Building, Heriot-Watt University, Edinburgh, Scotland.                                                 |
| 1988 (Aug)<br>to 1991<br>(June)      | William Watson Professor of Building Department of Building Engineering & Surveying Heriot-Watt University, Edinburgh, Scotland.                          |
| 1991 (July)<br>to 1993(April)        | Professor of Building, Department of Civil & Building Engineering, Loughborough University, U.K.                                                          |
| 1992 (April)<br>to 1996 (Aug.)       | London Master Builders' Professor of Building, University College London.                                                                                 |
| 1996 (Nov)<br>to Date                | Contract Professor of Construction Management, Faculty of Architecture, Planning & Surveying, Universiti Teknologi MARA Shah Alam, Selangor               |

#### **6. Some Recent Past Involvements**

- (i) Chairman, Management Board, Wimlas Advisory Service, Wimpey Environmental, London.
- (ii) Chairman, Environment Committee, Chartered Institute of Building.
- (iii) Partner, Lloyds Surveyors & Consultants, Newcastle.
- (iv) Member, Committee for the Recognition of External Awards, the Chartered Institute of Building.
- (v) Chairman of Working Commission W71 on Building Climatology of the International Council for Building Research and Documentation (C.I.B), Rotterdam.
- (vi) Member of CIB/W65 Working commission on Construction Management.
- (vii) Member of CIB/W70 Working Commission on Maintenance and Facilities Management.
- (viii) Member U.K Construction IT Forum.
- (ix) Member Executive Committee of the Professional Practice Board of the Chartered Institute of Building, U.K.

#### **7. Some Other Past Involvements**

- a) 1968-72, Founder Member and Honorary Secretary, The Chartered Institute of Building, Singapore and Malaysian Centre.

|      |    |                              |                                                                                                                                                                                                                                       |                                                                                                          |      |   |   |
|------|----|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------|---|---|
| 1156 | 27 | 600-<br>IRDC/SSP<br>5/3/1193 | A Study Of Value Management<br>Practice In Malaysia                                                                                                                                                                                   | Prof Dr. Johan Victor<br>Torrance(K), Assoc.<br>Prof Dr Faridah Yusuf,<br>Aini Jaapar                    | FSPU | 8 | 2 |
| 1348 | 2  | 600-<br>IRDC/SSP<br>5/3/1376 | Innovation in Quantity Surveying<br>Organisation in Klang Valley                                                                                                                                                                      | Prof Madya Dr Ismail<br>Rahmat (K), Prof<br>Madya Hasmawati<br>Harun, Prof Dr johan<br>Victor Torrance   | FSPU | 1 | 2 |
| 1361 | 15 | 600-<br>IRDC/SSP<br>5/3/1484 | Better Understanding of<br>Corporate Management<br>Structure of the Large Malaysian<br>Construction Companies                                                                                                                         | Dr Hjh Hamimah bt Hj<br>Adnan (K), Prof Dr<br>Johan Victor Torrance                                      | FSPU | 1 | 2 |
| 1368 | 22 | 600-<br>IRDC/SSP<br>5/3/1491 | The Work Ethic of Malay Project<br>Managers in the Malaysian<br>Construction Industry                                                                                                                                                 | Prof Dr Hj Munshi Ab.<br>Hamid (K), Prof Madya<br>Madinah Hussin<br>Torrance                             | FSPU | 1 |   |
| 1445 | 60 | 600-<br>IRDC/SSP<br>5/3/1539 | Managerial Leadership<br>Influence to Embed Safety<br>Culture into the Malaysian<br>Construction Organizational<br>Culture (The Organisational<br>that Influence the Safety<br>Culture of the Malaysian<br>Construction Organization) | Puan Faridah Ismail<br>(K) Prof Dr Johan<br>Victor Torrance                                              | FSPU | 6 |   |
| 1462 | 17 | 600-<br>IRDC/SSP<br>5/3/1556 | The Study of Value<br>Management in Malaysia                                                                                                                                                                                          | Prof Dr Johan Victor<br>Torrance Abdullah (K),<br>Aini Jaapar                                            | FSPU | 6 | 3 |
| 1559 |    | 600-<br>IRDC/SSP<br>5/3/1658 | A Practical Framework on<br>Implementing Curvilinear<br>Architectural Forms in Malaysia                                                                                                                                               | Prof. Dr Johan Victor<br>Torrance (K), Prof.<br>Madya Ar. Faridah<br>Adnan, Dr Abdullah<br>Sani Hj Ahmad | FSPU | 9 | 3 |

- u) 1982-86, Vice-President, Association of Researchers In Construction Management, U.K. (ARCOM).
- v) 1982-88, Director of Unitech (A.D.R.), Consultants, Edinburgh.
- w) 1983-88, Member of Scottish Building Regulations Advisory Committee.
- x) 1984-88, Member of Chartered Institute of Building Professional Practice Board.
- y) 1984-88, Chairman of Continuing Professional Development Board of Chartered Institute of Building.
- z) 1984-88, Member of Panel of Visiting Advisers to the Building Research Establishment.
- (a1) 1984-88, Member of U.K Construction Industry Continuing Professional Development Board.
- (a2) 1988-89, The President of the Chartered Institute of Building, U.K.
- (a3) 1988, Founder Member of Council of The Construction Industry Council.
- (a4) 1985-93 Chairman & Coordinator, CIB/W70 Working Commission on Building Climatology.
- (a5) 1989-91 Member of the Court of Heriot-Watt University.

#### **8. Current External Examinership**

- 1. Kolej Universiti Teknologi Tun Hussain Onn (KUITTHO), Bachelor of Technology and Construction Management. (since 2005)
- 2. Universiti Tunku Abdul Rahman (UTAR),; Bachelor of Construction Management. (since 2004)

#### **9. Past Advisory Appointments**

- (i) The Universiti Sains Malaysia, Penang, Malaysia.
- (ii) The Tunku Abdul Rahman College, Kuala Lumpur, Malaysia.
- (iii) The Mara Institute of Technology, Kuala Lumpur, Malaysia.
- (iv) The National University of Singapore.
- (v) The University Technology Malaysia, Johore, Malaysia.
- (vi) The City Polytechnic of Hong Kong.

| Tarikh<br>dijangka<br>siap | Kos Projek<br>(RM) | Status                      | Laporan<br>Kemajuan                                       | Phone No./<br>Email<br>Address |
|----------------------------|--------------------|-----------------------------|-----------------------------------------------------------|--------------------------------|
|                            | 10,000.00          | Tamat<br>April 2003         |                                                           |                                |
|                            | 11,150.00          | Tamat<br>September<br>2001  |                                                           |                                |
|                            | 9,999.70           | Tamat Mei<br>2002           |                                                           |                                |
| 31 Mei<br>2003             | 10,000.00          | Tamat Dis<br>2003           |                                                           |                                |
| 29 Oktober<br>2004         | 10,000.00          | TAMAT<br>SEPTEMB<br>ER 2004 | 4/1/2004,<br>30 Ogos 2004,<br>Sept 2004                   |                                |
| 14/05                      | 20,000.00          | Tamat<br>Januari<br>2005    | 4/28/2004<br>Ogos 2004<br>31 Disember<br>2004<br>7/1/2004 |                                |

|     |                        |
|-----|------------------------|
| MGE | Elah present<br>di SSR |
|-----|------------------------|

- (xxvi) University of Liverpool (BSc Hons In Building)
- (xxvii) University of Reading MBA In Construction & Real Estate (by Distance Learning).
- (xxviii) Nottingham Trent University, M Sc. In Construction Procurement.

**11. Past Membership of National and International Research Organisations.**

- (i) The International Council for Building Research Studies and Documentation (C.I.B.), Rotterdam, Holland.
- (ii) Reunion Internationale des Laboratoires d'Essais et de Recherches Sur les Matériaux et les Constructions (RILEM).
- (iii) The Construction Industry Research and Information Association (C.I.R.I.A.), U.K.
- (iv) The Association of Researchers in Construction Management, U.K. (ARCOM).

**12. Past Research Contracts From**

- (A) The Builder's Conference, London, UK.
- (B) The Science and Engineering Research Council, UK.
- (C) The Chartered Institute of Building, UK.
- (D) The Scottish Development Department, UK.
- (E) The Department of the Environment, UK.
- (F) The Arts Council of Great Britain, UK.
- (G) The Building Research Establishment, UK.
- (H) The Gruden Foundation, UK.
- (I) The Royal Institution of Chartered Surveyors, UK.
- (J) The Property Services Agency, UK.
- (K) Brite Euram (European Directorate), EU.
- (L) LINK (DOE/SERC), UK.
- (M) D.O.E in partnership with BRE, UK.
- (N) (Please refer to appended list).

LIST OF IRDC FUNDED RESEARCH by PROF JOHAN VICTOR TORRANCE

| Bil total projek | Bil | No. Fail             | Tajuk Penyelidikan                                                                                                                       | Penyelidik/Pensyarah                                                                 | Fakulti/Kampus Cawangan | BULAN PRO. BERMULA |    |
|------------------|-----|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|--------------------|----|
| 296              |     |                      | Refurbishment Cycle and the Management of Refurbishment Projects                                                                         | Prof Madya Dr Ismail Rahmat, Prof Dr Johan Victor Torrance, Hal Ahmad Elarief Hashim | FSPU                    | 12                 | 20 |
| 325              |     |                      | A Critical Investigation into Risk Management within Joint Ventures Projects in the Malaysian Construction Industry                      | Hamimah binti Adnan, Prof Dr Johan Victor Torrance                                   | FSPU                    | 6                  | 20 |
| 326              |     |                      | Reasons and Deterrents to the Participation of Malaysian Registered Quantity Surveyors in Continuing Professional Development Activities | Prof Dr Johan Victor Torrance, Mohd Hisham Ariffin                                   | FSPU                    | 6                  | 20 |
| 468              |     | 600-IRDC/SKK 5/3/90  | A Study on the Motivation Factors and the Perceptions of Quantity Surveyors in Continuing Professional Development Activities            | Prof Dr Johan Victor Torrance (K), Mohd Hisham Ariffin                               | FSPU                    | 6                  | 20 |
| 804              |     | 600-IRDC/SKK 5/3/909 | National Survey of Client Satisfaction in the Malaysian Construction Industry                                                            | Prof Dr Johan Victor Torrance Abdullah (K), Aini Jaapar, Prof Madya Dr Faridah Yusuf | FSPU                    | 10                 | 20 |
| 909              |     | 600-IRDC/SSE 5/3/982 | A Study on Safety Culture of the Malaysian Construction Organisation in Klang Valley                                                     | Faridah Ismail (K), Prof Dr Johan Victor Torrance                                    | FSPU                    | 12                 | 20 |

- (xvii) The University of Reading (PhD).
- (xviii) The Indian Institute of Technology, New Delhi, India (PhD).
- (xix) South Bank University (PhD).
- (xx) University of New South Wales, Australia (Ph.D)
- (xxi) University Technology Malaysia (2xPh.D)
- (xxii) University of Malaya (2x M. Eng.)

#### **15. Professorial Selection Processes**

- (a) Member of Professional Selection Committees, at:  
Heriot-Watt University; University College London; U.M.I.S.T;
- (b) Internal Selection Panels, at:  
Nottingham Polytechnic;  
Polytechnic of The South Bank;  
Brighton Polytechnic  
Trent University  
Anglia Polytechnic University
- (c) External Assessor for Personal Chairs, at:  
University of Reading;  
Loughborough University of Technology  
Leeds Metropolitan University  
UMIST  
University of the South Bank  
University of Liverpool
- (d) External Assessor for Personal Chairs, at:  
University of Derby, Derbyshire, UK (current).
- (e) Appointments and Promotions Committee,  
University of Malaya (2003–present).
- (f) Appointments and Promotions Committee,  
University Technology Malaysia (2004 – present)

#### **CURRENT APPOINTMENTS AS EXTERNAL EXAMINER**

1. Universiti Tunku Abdul Rahman (UTAR), since 2004; Bachelor of Construction Management.
2. College University Tun Hussein Onn, since 2005, Bachelor of Technology and Construction Management.

| Tarikh<br>diangka<br>siap | Kos Projek<br>(RM) | Status                      | Laporan<br>Kemajuan                                    | Phone No./<br>Email<br>Address |
|---------------------------|--------------------|-----------------------------|--------------------------------------------------------|--------------------------------|
|                           | 10,000.00          | Tamat<br>April 2003         |                                                        |                                |
|                           | 11,150.00          | Tamat<br>September<br>2001  |                                                        |                                |
|                           | 9,999.70           | Tamat Mei<br>2002           |                                                        |                                |
| 31 Mei<br>2002            | 10,000.00          | Tamat Dis<br>2003           |                                                        |                                |
| 29 Oktober<br>2004        | 10,000.00          | TAMAT<br>SEPTEMB<br>ER 2004 | 4/1/2004,<br>30 Ogos 2004,<br>Sept 2004                |                                |
| 14 Feb 05                 | 20,000.00          | Tamat<br>Januari<br>2005    | 4/28/2004<br>Ogos 2004<br>Desember<br>2004<br>7/1/2005 |                                |

|     |                       |
|-----|-----------------------|
| MOE | telah present<br>GSSP |
|-----|-----------------------|

**PAPERS GIVEN AT SEMINARS AND CONFERENCES**  
**1967 - to date**

1. "Dispersion of Airborne Pollutants", Conference on Environmental Control, Singapore, 15<sup>th</sup> February, 1967.
2. "Building the Future", Inaugural Lecture of the William Watson Chair of Building, Heriot-Watt University, Edinburgh, U.K., 3<sup>rd</sup> May 1972.
3. "Patio Housing; Results of Wind-Tunnel Investigations and Design Recommendations", Building Research Establishment and the Scottish Development Department Seminar, University of Edinburgh, U.K., 28<sup>th</sup> September 1972.
4. "Problems of Joint Professional Education", Department of Environment Building Forum, Scotland, Stirling University, U.K., 11<sup>th</sup> and 12<sup>th</sup> September, 1973.
5. "Comparison of Results from Wind-Tunnel and Field Experiments on Model Buildings", Building Research Establishment, Wind Engineering Research Group Seminar, B.R.E., Watford, U.K., March, 1976.
6. "Low Cost Housing for Developing Countries", Malaysian Institute of Engineers Seminar, Penang, Malaysia, September, 1976.
7. "The Development of Building Science Research at Heriot-Watt University", Malaysian Institute of Architects Seminar, Penang, Malaysia, Singapore, 1976.
8. "The Impact of Graduate Education on the Building Profession", Malaysian Institute of Engineers Seminar, Kuala Lumpur, Malaysia, September, 1976.
9. "The Planning and Development of the new campus of Heriot-Watt University", Gellong, Melbourne, Australia, October, 1976.
10. "The Development of University Education and Research in Building in the United Kingdom", University of New South Wales, Australia, October, 1976.
11. "Recent Noise and Acoustics Research at Heriot-Watt University", Deak University, Gellong, Melbourne, Australia, October, 1976.
12. "The Performance and Durability of Buildings", U.K. Science Research Council Workshop, Warwick, U.K., 15<sup>th</sup>, 16<sup>th</sup> September, 1977.
13. "The Characteristics of University Research in Construction Management", European Construction management Group Construction Management Conference, Technical University of Denmark, Copenhagen, 27<sup>th</sup> to 29<sup>th</sup> September, 1978.
14. "Research into the Energy Consumption of 42 Houses at Boness by Automatic Data Capture", Department of the Environment better Insulaxed Housed Programme Seminar, London, U.K., 8<sup>th</sup> May 1978.

LIST OF IRDC FUNDED RESEARCH by PROF JOHAN VICTOR TORRANCE

| Bil total projek | Bil | No. Fail                   | Tajuk Penyelidikan                                                                                                                                      | Penyelidik/Pensyarah                                                                 | Fakulti/<br>Kampus<br>Cawangan | BULAN PROJEK<br>BERMULA |      |
|------------------|-----|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------|-------------------------|------|
| 296              |     |                            | Refurbishment Cycles and the Management of Refurbishment Projects                                                                                       | Prof Madya Dr Ismail Rahmat, Prof Dr Johan Victor Torrance, Haji Ahmad Ezanee Hashim | FSPU                           | 12                      | 2000 |
| 325              |     |                            | A Critical Investigation into Risk Management within Joint Ventures Projects in the Malaysian Construction Industry                                     | Hamimah binti Adnan, Prof Dr Johan Victor Torrance                                   | FSPU                           | 6                       | 2001 |
| 326              |     |                            | Reasons and Deterrents to the Participation of Malaysian Registered Quantity Surveyors in Continuing Professional Development Activities                | Prof Dr Johan Victor Torrance, Mohd Hisham Ariffin                                   | FSPU                           | 6                       | 2001 |
| 468              |     | 600-<br>IRDC/SKK<br>5/3/99 | A Study on the Motivation Factors Behind the Participation of Malaysian Registered Quantity Surveyors in Continuing Professional Development Activities | Prof Dr Johan Victor Torrance (K), Mohd Hisham Ariffin                               | FSPU                           | 6                       | 2002 |
| - 804 -          |     | 600-<br>IRDC/SKK<br>5/3/99 | National Survey of Client Satisfaction in the Malaysian Construction Industry                                                                           | Prof Dr Johan Victor Torrance Abdullah (K), Aini Jaapar, Prof Madya Dr Faridah Yusuf | FSPU                           | - 10 -                  | 2003 |
| 909              |     | 600-<br>IRDC/SKK<br>5/3/99 | A Study on Safety Culture of the Malaysian Construction Organisation in Klang Valley                                                                    | Fardah Ismail (K), Prof Dr Johan Victor Torrance                                     | FSPU                           | 12                      | 2004 |

30. "Maintenance Problems and Serious Building Defects", Local Authority Technical Seminar, Newcastle, 25<sup>th</sup> May, 1989.
31. "Future Trends in Construction", Technical Seminar, The Challenge in the Construction Industry in the 1990s. Malaysian University of Technology, 26<sup>th</sup> March 1990.
32. "Environmental Influences upon the Construction Industry", I.M.B.M. Seminar, Newcastle, 7<sup>th</sup> June 1990.
33. "Risk Perception and Decision Making in Construction Managers", I.M.B.M. Annual Conference, Blackpool, 18<sup>th</sup> October 1990.
34. "The Integration of Professional Services", ISVA Annual Conference, Glasgow, 26<sup>th</sup> - 27<sup>th</sup> October 1990.
35. "The Impact of New Environmental Policies on The Building Industry, C.I.O.B. Northern Centre Annual Technical Seminar, Dundee, 27<sup>th</sup> November 1990.
36. "The Impact of Construction on the Environment", 6, Construction Industry and The Environment Conference, Construction Industry C.P.D. Centre, Leeds, 13<sup>th</sup> November, 1991.
37. "The Investigation and Repair of Fire Damaged Buildings", Seminar by Kuala Lumpur Fire Department, June 1997.
38. "Construction Project Management - Current Trends", Institute of Engineers Malaysia, Kuala Lumpur, 16 December 1998.

PUBLICATIONS WITH AINI JAAPAR

| No. | Title                                                                                                        | Sponsor                                                                                                                                     | Date                         |
|-----|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 1.  | The Application of Value Management in the Malaysian Construction Industry                                   | IRDC, CSSR 2006, Langkawi, Kedah, Malaysia                                                                                                  | July 2006                    |
| 2.  | Contribution Of Value Management To The Malaysian Construction Industry: A New Insight                       | International Conference on Construction Industry 2006 (ICCI 2006), Padang, Indonesia.                                                      | 21- 24th June 2006           |
| 3.  | Proposed Value Management Framework For The Malaysian Construction Industry: A Qualitative And Quantitative  | Proceedings of 2005 International Conference on Construction and Real Estate Management, Universiti Sains Malaysia, Pulau Pinang, Malaysia. | 12-13 December 2005          |
| 4.  | The Findings Of Current Research On Value Management In Malaysia                                             | Government Procurement Management Division, Ministry of Finance Malaysia, Putrajaya, Malaysia                                               | 27 <sup>th</sup> May 2005    |
| 5.  | An Assessment of Satisfaction and Value Management application in the in the Malaysian Construction Industry | MICRA 4th Annual Conference, Universiti Malaya Kuala Lumpur                                                                                 | 4-5 <sup>th</sup> May 2005   |
| 6.  | Value Management: In General                                                                                 | Value News (IVMM), Vol. 1/March 2005                                                                                                        | March 2005                   |
| 7.  | Value Management & its Currents Status in Malaysia                                                           | The Malaysian Surveyor, Vol. 39.2, pp14-24                                                                                                  | Feb 2005                     |
| 8.  | Value Management?                                                                                            | Institute of Value Management Malaysia                                                                                                      | 11th Sept 2004               |
| 9.  | The Level of Client Satisfaction & the Implementation of V.M in the Malaysian Construction Industry          | MICRA 3 <sup>rd</sup> Annual Conference Langkawi, Kedah, Malaysia                                                                           | 4-5th May 2004               |
| 10. | A Review of Value Management & the Malaysian Construction Industry: The Client's Perspective                 | MICRA 2 <sup>ND</sup> Annual Conference Quality Hotel Shah Alam, Selangor, Selangor                                                         | 8th Oct 2003                 |
| 11. | Value Management: Overview & Process                                                                         | Conference of Future Trends in Construction & Manufacturing: Towards Borderless World IVMM & CIDB                                           | 9-10th Oct- 2001             |
| 12. | The Role of Human Resource Management in Enhancing Productivity of Construction Industry                     | Conference of Enhancing Productivity in Construction Industry Kuala Lumpur                                                                  | 14th September 2000          |
| 13. | The Role of The Project Manager in Managing Risks in the Construction of a Mega Project: A Case Study        | The Malaysian Surveyor                                                                                                                      | 1 <sup>st</sup> Quarter 2000 |

10. V B Torrance and M J Suiter:  
"Personality Characteristics of First-Line Managers", Proc. CIB/W65 International Symposium on Construction Management, London, U.K, 7<sup>th</sup> to 10<sup>th</sup> September, 1987.
11. V B Torrance, F P McDermott, and P G Cheesman:  
"Forecasting Lifespans for Life Cycle Costing", Proc. CIB/W55 International Symposium on Building Economics", Copenhagen, Denmark, 14<sup>th</sup> to 17<sup>th</sup> September, 1987.
12. V B Torrance, M I Okoroh, H P Teo and L K Quah:  
"The Development of a Knowledge Based System for Decision Making in Tendering and Bidding for Building Refurbishment Contracts", Proc. CIB/W70 International Symposium on Property Maintenance and Modernisation, Singapore 7 - 9 March 1990.
13. V B Torrance and B T C Lim:  
"Perceived Environment Uncertainty as an Aid to Project Management". Proc. Of joint CIB/W55/W65 International Conference on Building Economics and Construction management, Sydney, Australia, 14<sup>th</sup> - 21<sup>st</sup> March 1990.
14. V B Torrance, H P Teo and L K Quah:  
"Risk Evaluation and Decision Support System for Tendering and Bidding in Refurbishment Contracts". Proc. A.R.C.O.M. Conference, University of Salford, 6<sup>th</sup> - 7<sup>th</sup> September 1990.
15. V B Torrance, L K Quah, H P Teo and M Okoroh:  
"An Expert System for Tendering and Bidding in Refurbishment Contracts", Proc. European Symposium on Management, Quality & Economics, C.E.C. & C.I.B., Lisbon, 30<sup>th</sup> Sept. to 4<sup>th</sup> Oct., 1991.
16. V B Torrance, M Y I M Ali, A J Fatani, and A Smith:  
"Research Into national and International Joint Venture Projects of U.K. Construction Companies", Proc. International Conference on Project Management, Guangzhou, P.R.C, 17-19 November 1992.
17. V B Torrance and M M Ghazali:  
"Risk and Decision Making in Property Development", 10<sup>th</sup> ARCOM Annual Conference, Loughborough University of Technology, 14-16 September 1994.
18. V B Torrance, M I Okoroh, L K Quah and H P Teo:  
"Cognitive Processes in risk Evaluation for Decision Making When Applied to Knowledge based Expert Systems", Procs. CIB/W70 International Symposium, Rotterdam, Holland, 28-30 October 1992.
19. V B Torrance and A Mahmood:  
"Educational Interests and Needs of Owner-Managers of Small Building Firms", Procs. CIB/W65 International Symposium on Construction Management, Trinidad, West Indies, 16-22 September 1994.

A RECENT EMPHASIS  
HAS BEEN ON  
ENCOURAGING AND  
ASSISTING RESEARCH  
DEGREE CANDIDATES  
TO PUBLISH WIDELY.

## CONFERENCE PAPERS AND PUBLICATIONS

### Sole Authorship

V.B. Torrance:

#### 1960- 1970

- 1 "Wind Effects in Courtyard Building". Proc. B.R.E. Seminar on Wind Effects on Buildings, University College London, U.K., May 1965.
- 2 "Wind-Tunnel Testing of Model Building". Polybuild Journal, Singapore, July, 1967.
- 3 "The Accuracy of Current Practice in Simulating Atmospheric Boundary Layers in Wind-Tunnels", Proc. International Symposium on Wind Effects on Buildings, Loughborough University of Technology, U.K., April, 1968.
- 4 "On-site Problems in Building Foundation Engineering", Proc. S.E. Asian Regional Symposium on Soil Mechanics & Foundation Engineering, Singapore, March, 1969.
- 5 "Shelter Devices for Roofs of Cyclone Resisting Schools", A.S.E.A.N. Regional Institute for School Building, Research Report, Colombo, Sri Lanka, 1970.

#### 1971- 1980

- 6 "Building and Building Science Development", Proc. Of 2<sup>nd</sup> Congress of Singapore National Academy of Sciences, Singapore, November, 1971.
- 7 "Wind Profiles over a Suburban Site and Wind Effects on a half-Scale Model Building", Building Science (Now Building & Environment), Vol. 7, 1972.
- 8 "Past, Present and Future in Degree Education for Building", Proc. Institute of Building Annual Conference, London, U.K, November, 1976.

#### 1981-1990

- 9 "Micro-Computers In the Construction Industry", Proc. Malaysian master Builders' Association Conference on Construction Management, Kuala Lumpur, Malaysia, 24<sup>th</sup>/25 August 1981.
- 10 "Increasing Mechanisation in the Construction Industry", Proc. Malaysian Master Builders' Association Conference on Construction Management, Kuala Lumpur, Malaysia, 24<sup>th</sup>/25<sup>th</sup> August 1981.
- 11 "Corporate Planning and Development in Construction Companies", Proc. Malaysian master Builders' Association Conference on Construction Management, Kuala Lumpur, Malaysia 15<sup>th</sup> September 1982.

EXAMPLE OF HOURS  
PER MONTH IN F.S.P.U.

- 26 "The Need for Knowledge", Proc. Watt Committee on Energy, Conference on Buildings, Energy and the Environment, Strathclyde University, 12/13 Sept., 1991.
- 27 "Interaction Between the Natural Environment and the Built Environment", Proc. I.F.H.P. World Congress, Jerusalem, Israel, 15-18 Sept 1992.
- 28 "The Development of the Construction Project Management Process - An Overview". Proc. International Conference on Tall Buildings, Kuala Lumpur, Malaysia, 28-30 July 1992.
- 29 "Change, Innovation and construction Research & Development" Keynote Paper, Proc. 11<sup>th</sup> Annual Conference of ARCOM, York University, 18<sup>th</sup> & 19<sup>th</sup> September 1995.
- 30 "I.T. in the Construction Process" Report, "Building I.T. 2005", Construction I.T. Forum and the Construction Industry Computing Association, Nov. 1995.
- 31 Building Process Summary, Journal of Automation in Construction, Elsevier 6, pp 11-16, 1997
- 32 *"Future Directions of Quantity Surveying,"* International Conference by Commonwealth Association of Surveyors and Land Economics and I.S.M Malaysian Survey Congress, Kuala Lumpur, 2000.

30. Omar Osman (PhD Full-time 1989) "The Modelling Factors Influencing Observed Manpower Productive time Within the Site Production Process".
31. H P Teo (PhD Full-time 1990) "Decision Support and Risk Management System for Competitive Bidding in Refurbishment Work".
32. B C R Blain (PhD Part-time 1991) "Knowledge and Skills Development for Future Construction Site Managers".
33. Mahmood Abdullah (PhD Full-time 1992) "The Training and Development Needs of the Owner managers of Small Building Companies".
34. M I Okoroh (PhD Full-time 1993) "A Knowledge Based Computerised System for Estimating and Bidding for Construction Contracts".
35. Megat Mohd. Ghazali (PhD Full-time 1994) "Analysis of Risk and Decision Making in Property Development".
36. H J Shin (PhD Full-time 1994) "Development and Application of Fuzzy Set Theory For Construction Activity Time and Cost Prediction and its Application For Construction Planning and Control".
37. Mohd. Yussuf Izzudin Mohd. Ali (PhD Full-time 1994) "Factors Influencing the Success of Joint Venture Construction Contracts".
38. A. Smith (Mphil, Part-time 1994) "Joint Venture Strategies of UK Construction Companies".
39. Abdul J Fatani (PhD Full-time 1994) "Cross-Cultural Factors Influencing Motivation in Construction Managers".
40. Mohd. A Hakim (PhD Full-time 1995) "Corporate and Strategic Planning in U.K. Construction Companies".
41. Shafie Karimin (PhD Full-time 1995) "The Application of a Knowledge Based Computer System for Tendering & Bidding for Building Refurbishment Contracts".
42. Ansar Haque (Ph.D Part-time 1998) "The Quality Of Air In Singapore office Buildings".
43. Hamid Pakir (PhD Full-time 2001) "Problems in Achieving the Housing Targets Included on Malaysia's Economic Development Plans".

|     |                                                                                                                                                                                                                          |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12. | Australian Institute of Project Management Conference 2003, Alice Springs, Australia, 12-14 Oct 2003.<br>Paper: "The New Journal of Project Management for Australia and S.E.Asia."                                      |
| 13. | National Conference on Built Environment "Smart Partnership in the Field of Build Environment: Opportunities and Challenges", Kuala Lumpur, 6-7 May 2004.<br>Paper: "Smart Partnership in Built Environment Education."  |
| 14. | CIB 2004 International Conference, Bangkok, 17-9 Nov 2004.<br>Paper: "Globalisation and Trends in the International Construction Industry: A Malaysian Perspective".                                                     |
| 15. | 1 <sup>st</sup> International Building Control Conference, Inst. of Surveyors Malaysia (ISM), Kuala Lumpur, 26-27 April 2005.<br>Paper (invited): "Challenges of Sustainability in Building".                            |
| 17. | International Conference of Ministry of Construction on Construction Management, Chengdu, China, 29-30 June 2005.<br>Paper: "The Growth in Education and Training in Construction Management in China".                  |
| 18. | Quantity Surveyors National Conference 2005: Sustaining the Profession – Towards Diversification, 2005.<br>Paper (Invited): "The Changing Construction Industry and Its Effects Upon the Quantity Surveying Profession". |
| 19. | Pejabat Setiausaha Kerajaan and University Science Malaysia: National Symposium on Housing in Malaysia, Penang 3-4 Aug 2006.<br>Keynote Paper (Invited): "An Overview of Housing in Malaysia".                           |

**C. Second Supervisor at UITM**

| Name                        | Registered Date | Full Time/<br>Part Time | Faculty/<br>Affiliation |
|-----------------------------|-----------------|-------------------------|-------------------------|
| Zuraida Abbas               | June 2004       | FT                      | FSPU, UITM              |
| Che Maznah                  | 2005            | FT                      | F.E (Civil) UITM        |
| Zul Zakiyuddin Ahmad Rashid | 2005            | FT                      | Private                 |

**D. External Main Supervisor for PhD Candidate Other than at UITM**

| Name          | Registered Date | Full Time/<br>Part Time | University        |
|---------------|-----------------|-------------------------|-------------------|
| Eng Khe Siong | June 2000       | PT                      | University Malaya |

**E. Supervision of Successful MSc (Research) and Ph.D Candidates (1973 - 2001)**

1. W P Stewart (MSc Full-time 1973) "An Examination of the Dimensional Accuracy Achieved in the Construction of Reinforced Concrete Framed Buildings together with a Comparison Between Accuracy and Productivity".
2. B C R Blain (MSc Part-time 1974) "Incentives and Motivation in the Construction Industry".
3. R Cunningham (MSc Full-time 1974) "The Design and Construction of a 90ft Wind Tunnel".
4. K McAtter (MSc Full-time 1974) "A Study of the Supply and Price of Land for Private Housing".
5. J D Moffat (MSc Part-time 1974) "A Critical Investigation of the maintenance Characteristics of C.L.A.S.P. Educational Buildings in Scotland".
6. R B Neo (PhD) Full-time 1975) "International Construction Contracting; a Critical Investigation into Certain Aspects of Financing, Capital Planning and Cash Flow Effects".
7. A D M McLeod (MSc Full-time 1975) "An Investigation into the Influence of Employment Variables on Building Workers' Job Attituded and Performance".
8. P F Ryan (MSc Part-time 1975) "A Critical Investigation into the Plant Hire System".
9. D C Judge (MSc Part-time 1976) "Appraisal of School Building in Relation to User Satisfaction".
10. D F Carnegie (MSc Part-time 1976) "The nature and Cause of Casual Employment in the Building Industry and the Prospects for Change".
11. H A Gow (MSc Part-time 1978) "An Appraisal of the Development of Housing in Scotland with Particular Regard to maintenance Costs and Characteristics".

10. CIB International Conference "Smart and Sustainable Built Environment (SASBE 2003), Brisbane, Australia, 19-21 Nov 2003.  
J.V.B. Torrance and M.A. Haque  
Paper: "An Investigation of Fresh Air Ventilation For Air-Conditioned Buildings in Singapore".
11. Institute of Quantity Surveyors Malaysia and Malaysia Pacific Association of Quantity Surveyors: QS International Convention 2004, Kuala Lumpur, 20-21 Sept, 2004  
J.V.B. Torrance and Hasmawati Harun  
Paper: "Empirical Studies on Innovation in the Quantity Surveying Organisation".
12. International Conference on Multi-National Joint Ventures, Penang, 5-6 March 2005.  
J.V.B. Torrance and Mazlan Mohammad  
Paper: "Towards New Concepts and Paradigms in Multi-National Joint Venture Contracting".
13. International Conference on Multi-National Joint Ventures, Penang, 5-6 March 2006  
J.V.B. Torrance and Mazlan Mohammad  
Paper: "Towards New Concepts and Paradigms in Multi-National Joint Venture Contracting".
14. International Conference On the Construction Industry: Towards Innovative Approaches in Construction and Property Management, Padang, Indonesia, 21-23 June 06  
J.V.B. Torrance and Hasmawati Harun  
Paper: "Drivers of Change: New Challenges For Quantity Surveyors".
15. ASEAN Post Graduate Seminar in Built Environment 2006, Kuala Lumpur, 2006.  
Faridah Adnan and J.V.B. Torrance  
Paper: "An Investigation of Past, Present and Future Curvilinear Architectural Forms"  
Paper: "Characterisation and Categorisation of Curvilinear Architectural Forms".

## INVITATIONS

### Invited to be:

#### A. Chairman at:

1. CIDB International Construction I.T. Conference 99, Kuala Lumpur, 2 Sept 1999.
2. CIOB/MBAM International Conference 2003, Kuala Lumpur 10-11 Sept 2003.
3. CIOB/MBAM International Construction Conference 2005, Kuala Lumpur 15-16 2005.
4. International Conference in the Built Environment in the 21<sup>st</sup> Century (ICIBE 2006), Kuala Lumpur 13-15 June 2006.
5. International Conference on Mega Projects, Kuala Lumpur Sept 2006.

#### B. Judge at:

1. Petandingan Rekapipta UITM (IID) 2004, 23-24 December 2004