



## **PROFESSOR MALIK RANASINGHE**

**B.Sc.Eng. Hons (UoM), M.A.Sc (UBC), Ph.D (UBC), CEng, PEng(Sri Lanka), FIE(Sri Lanka),  
FNAS(Sri Lanka), FIPM(Sri Lanka), Graduate Member SLID**

## **CURRICULUM VITAE**

### **PROFILE**

Professor Malik Ranasinghe is a Senior Professor in Civil Engineering at the University of Moratuwa (UoM) He is a Chartered Engineer, International Professional Engineer and Fellow of the Institution of Engineers, Sri Lanka, Fellow of the National Academy of Sciences, Sri Lanka, Fellow of the Institute of Project Managers, Sri Lanka and Graduate Member of Sri Lanka Institute of Directors. He is an independent non-executive Director of Access Engineering PLC, Resus Energy PLC, Teejay Lanka PLC and United Motors Lanka PLC.

Prof. Ranasinghe is the former Vice Chancellor of the University of Moratuwa. He is former Chairman of the Committee of Vice-Chancellors and Directors (CVCD) of Sri Lanka, former Commission Member of the University Grants Commission, former Council Member of the National Research Council, former Council Member of the Association of Commonwealth Universities (ACU), former Dean of the Faculty of Engineering, former Head, Department of Civil Engineering, and former Chairman, Centre of Excellence in Project Management at the UoM. He is a former Fellow of the National University of Singapore, a former Chairman of Sampath Bank PLC and former independent non-executive Director of the Colombo Stock Exchange, Sampath Bank PLC, Lanka IOC PLC and Hemas Power PLC.

Prof. Ranasinghe graduated in Civil Engineering from the UoM (1984), and obtained his MASc (1986) and PhD (1990) from the University of British Columbia, Vancouver, Canada in Civil Engineering Economics as a Canadian Commonwealth Scholar. In 1993 he completed a postgraduate certificate program in "Environmental Economics and Policy Analysis" at the Harvard Institute for International Development of the Harvard University, Cambridge, U.S.A and in 2004 "Hydropower Financing and Project Economy" at the International Centre for Hydropower, Oslo, Norway.

Prof. Ranasinghe's research focus is to combine civil engineering economics and environmental economics with project management. He has published over 130 research publications, of which over 70 are international refereed publications. Prof. Ranasinghe's Hirsch Index (h-Index) for research publications is 17 and he is a Sri Lanka Tier 4\* researcher.

In 1999, the Sri Lanka Association for the Advancement of Science (SLAAS) honoured Prof. Ranasinghe with the General Research Committee Award for **Outstanding Contribution to Sri Lankan Science**. The University Grants Commission and Hiran Tillekaratne Research Fund recognised his research with the award for **Outstanding Postgraduate Research – 2000 in the academic discipline of Engineering** for the period 1975 to 1999. In 2000, he was awarded the Prof. E O E Pereira Award for the **Best Paper presented at the Annual Sessions 1998/99** of the Institution of Engineers, Sri Lanka. The UoM recognised his outstanding research contributions with nine (09) annual awards for **Appreciation for Outstanding Research**. The National Science Foundation honoured him with a **SUSRED** Award under PhD category in 2012. The Committee of Vice-Chancellors and Directors (CVCD) of Sri Lanka awarded its biennial **Most Outstanding Senior Researcher in Technology and related Sciences including Engineering, Architecture, Quantity Surveying and Information Technology** award in 2012. In 2014 Emerald Literati Network recognized his publication with the **Highly Commended Paper Award 2014** for Built Environment Project and Asset Management journal.

Prof. Ranasinghe was awarded the **Trinity Prize for Engineering** for 2004 in recognition of the outstanding contributions made to his chosen profession. The World Education Congress 2012 held in Mumbai, India honoured him with the award for **Outstanding Contribution to Education**. At the 4<sup>th</sup> Asia's Best B-School Awards 2013 held in Singapore, Prof. Ranasinghe was honoured with the prestigious **Education Leadership Award**.

Since 2003 he has been involved with the corporate sector as an Independent non-Executive Director of Public Listed Companies (PLCs). At present he is an independent non-Executive Director of Access Engineering PLC, Resus Energy PLC, Teejay Lanka PLC and United Motors Lanka PLC. He was a former Chairman of Sampath Bank PLC and former non-executive Director of the Colombo Stock Exchange, Sampath Bank PLC, Hemas Power PLC and Lanka IOC PLC.

## PERSONAL DETAILS

Name : **Prof. Kulatilleke Arthanayake Malik Kumar Ranasinghe.**  
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(Residence) : 18, Layards Road, Colombo 5, Sri Lanka.  
Telephone : +94 11 2500538. Mobile: +94 777 688876  
Positions : Senior Professor in Civil Engineering, University of Moratuwa  
Commission Member, University Grants Commission (UGC)  
Council Member, National Research Council (NRC)  
Chairman, Sampath Bank PLC,  
Independent Non-Executive Director - Access Engineering PLC, Resus  
Energy PLC, Sampath Bank PLC, Teejay Lanka PLC and United Motors  
Lanka PLC.  
Specialities : Engineering Economics, Environmental Economics, Project  
Management

## ACADEMIC AND PROFESSIONAL QUALIFICATIONS

1. PhD. - The University of British Columbia, Vancouver, Canada, 1990.
2. MASc - The University of British Columbia, Vancouver, Canada, 1986.
3. B.Sc. (Eng.) (Hons.) - University of Moratuwa, Sri Lanka, 1983.
4. Professional Part I - Chartered Institute of Management Accountants, U.K.
5. PG Certificate on Environmental Economics and Policy Analysis, Harvard University, Harvard Institute for International Development, Cambridge, U.S.A, 1993.
6. International Professional Engineer, Chartered Engineer and Fellow Member, Institution of Engineers, Sri Lanka.
7. Fellow Member, National Academy of Sciences, Sri Lanka.
8. Fellow Member, Institute of Project Managers, Sri Lanka.
9. Graduate Member, Sri Lanka Institute of Directors.

## AWARDS

1. 2014 Highly Commended Paper Award for Built Environment Project and Asset Management, Emerald Literati Network, September 2014.
2. Education Leadership Award 2013, 4th Asia's Best B-School Awards, Singapore, July 2013.
3. CVCD Excellence Award 2012 for the Most Outstanding Senior Researcher in Technology and related Sciences including Engineering, Architecture, Quantity Surveying and Information Technology, Committee of Vice-Chancellors and Directors (CVCD), November 2012.
4. Award for Outstanding Contribution to Education, World Education Congress 2012, Mumbai, India, June 2012.
5. SUSRED Award under PhD category, National Science Foundation, Sri Lanka, 2012
6. Best Technical Papers on Infrastructure for Sustainable Development of Water and other Natural Resources presented at Session 2009/2010 of the Institution of Engineers, Sri Lanka – Over 35 years of age – second place.
7. Trinity Prize for Engineering 2004 – awarded once in four years in recognition of the contributions made to the chosen profession by an old boy of Trinity College, Kandy.
8. Award for Outstanding Postgraduate Research – 2000 in the academic discipline of “Engineering” during the period 1975 to 1999 – University Grants Commission and Hiran Tillekaratne Research Fund.
9. Sri Lanka Association for the Advancement of Science (SLAAS) - 1999 General Research Committee (GRC) Award for Outstanding Contribution to Sri Lankan Science.
10. Prof. E O E Pereira Award for the Best Paper presented at the Annual Sessions 1998/99 of the Institution of Engineers, Sri Lanka.

11. Ten Outstanding Research Personnel Awards, University of Moratuwa, Sri Lanka - award for outstanding research by academic staff during the three years up to the end of 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2012, 2013, 2014.
12. Outstanding Research Personnel Award, University of Moratuwa, Sri Lanka - award for outstanding research by academic staff members with over 15 years of continuous service up to end of 1999.
13. Fellow, National University of Singapore, Singapore, 1996-98.
14. NAREPP/USAID Award for Environmental Economics, to Harvard University, Cambridge, U.S.A., 1993.
15. ILO Fellow for Construction Management, Loughborough University of Technology, UK, 1991.
16. Canadian Commonwealth Scholarship to pursue doctoral studies, at The University of British Columbia, Vancouver, Canada, 1985-90.
17. Prof. D.S. Wijeyesekera Award for Best All-round Student, University of Moratuwa, 1983.
18. Rex Croos Moreas Memorial Award for Best Student in Civil Engineering Construction, University of Moratuwa, 1983.

### **ACADEMIC, ADMINISTRATIVE AND PROFESSIONAL EXPERIENCE**

- |                      |  |
|----------------------|--|
| Aug 2008 to date     | - <b>Senior Professor in Civil Engineering</b> , University of Moratuwa  |
| Jan 2015 to date     | - <b>Independent Non-Executive Director</b> , Resus Energy PLC   |
| Jul 2014 to date     | - <b>Independent Non-Executive Director</b> , United Motors Lanka PLC  |
| Jul 2011 to date     | - <b>Independent Non-Executive Director</b> , Access Engineering PLC.  |
| Apr 2011 to date     | - <b>Independent Non-Exec. Director</b> , Teejay Lanka PLC   |
| Apr 2019 to Aug 2020 | - <b>Chairman</b> , Sampath Bank PLC   |
| Aug 2011 to Aug 2020 | - <b>Independent Non-Executive Director</b> , Sampath Bank PLC   |
| Mar 2015 to Nov 2019 | - <b>Commission Member</b> , University Grants Commission (UGC)  |
| Apr 2019 to Nov 2019 | - <b>Council Member</b> , National Research Council (NRC)  |
| Aug 2016 to Mar 2019 | - <b>Deputy Chairman</b> , Sampath Bank PLC  |
| Jul 2009 to Dec 2013 | - <b>Independent Non-Executive Director</b> , Hemas Power PLC  |
| Nov 2005 to Nov 2011 | - <b>Vice-Chancellor</b> , University of Moratuwa  |
| May 2006 to Jul 2009 | - <b>Independent Director</b> , Colombo Stock Exchange   |
| Dec 2003 to May 2006 | - <b>Independent Non-Executive Director</b> , Lanka IOC Ltd  |
| Mar 2001 to Mar 2004 | - <b>Dean, Faculty of Engineering</b> , University of Moratuwa, Sri Lanka.   |
| Aug 2000 to Aug 2008 | - <b>Professor in Civil Engineering</b> (promoted on merit), UoM   |
| Apr 2000 to Mar 2001 | - <b>Head, Department of Civil Engineering</b> , University of Moratuwa  |
| Dec 1996 to Dec 1998 | - <b>Fellow</b> (during sabbatical), School of Building and Real Estate, National University of Singapore, Singapore   |
| Jun 1996 to Aug 2000 | - <b>Associate Professor in Civil Engineering</b> (promoted on merit)  |
| Oct 1990 to Jun 1996 | - <b>Senior Lecturer in Civil Engineering</b> , University of Moratuwa   |
| Aug 1990 to Sep 1990 | - <b>Post Doctoral Fellow</b> , Department of Civil Engineering, The University of British Columbia, Vancouver, Canada |
| Aug 1985 to Aug 1990 | - <b>Commonwealth Scholar</b> , Department of Civil Engineering, The University of British Columbia, Vancouver, Canada |
| Jan 1984 to Aug 1985 | - <b>Assistant Lecturer in Civil Engineering</b> , University of Moratuwa  |

### **MAIN CONSULTANCY ASSIGNMENTS**

1. Chairman, Committee to advise on "Skills Development of Personnel in the Capital Markets", Securities Exchange Commission of Sri Lanka., 2003.
2. Main consultant to Jardine Fleming HNB Capital (Pvt) Ltd. to value Asia Power Producers Ltd.
3. Consultant to the Ministry of Finance/Ministry of Housing on "restructure of domestic water tariff".
4. Resource person in infrastructure viability and financing courses to Singapore-UNDP Technical Co-operation to Developing Countries training programmes on Urban Management, and Urban Management course under the Singapore Technical Assistance Programme for Sustainable Development.

5. Resource person to conduct the residential workshop on "Professional Development Programme in Infrastructure Management for Senior Managers" organised by the Secretariat for Infrastructure Development and Investment (SIDI) (currently Bureau of Infrastructure Investments) of Sri Lanka, on privatisation of infrastructure projects, in particular power sector projects.
6. Main consultant to develop the strategy and revenue proposals for private sector financing for Colombo Katunayake Expressway as a BOT project for the private sector consortium.
7. Main consultant to develop the financial viability, cash flow forecasts and a competitive tariff for private sector investment in the Broadlands hydropower project in Sri Lanka as a BOT project for the private sector consortium.
8. Main consultant to investigate the feasibility to invest in the 40 MW thermal power plant at Sapugaskanda, Sri Lanka to be constructed by KHD Great Britain Ltd. for Jardine Fleming HNB Securities (Pvt) Ltd.
9. Consultant to conduct the feasibility study for private sector financing and develop financing strategies for private sector participation in the Southern Expressway as a BOT project for Road Development Authority of Sri Lanka.
10. Main environmental economist to conduct the extended benefit cost analysis for the Upper Kotmale Hydropower Project for Ceylon Electricity Board and CNEC Joint Venture Ltd. (Japanese consortium).
11. Main environmental economist to conduct the extended benefit cost analysis for Batticaloa Potuvil Railway Line Extension Project for Sri Lanka Railways.
12. Permanent consultant for over two years (1993-1995) to Jardine Fleming HNB Securities (Pvt) Ltd., for advice on research in securities and investment analysis.
13. Consultant to develop JF Tracker, new market-index for the Colombo Stock Exchange for Jardine Fleming HNB Securities (Pvt) Ltd.
14. Main consultant to develop a risk analysis framework for CTC Eagle Insurance of Sri Lanka.
15. Consultant to investigate the representation of the Colombo Stock Market by the Forbes Colombo Index for Forbes Research Ltd.

## **RESEARCH PROJECTS**

1. Three year project on "risk analysis of construction safety", University of Moratuwa Output –1 publication and PhD thesis on going 3 publications.
2. Three year project on "initiating large engineering projects", University of Moratuwa Output – PhD thesis on going.
3. Three year project on "cost and duration overruns of construction projects", University of Moratuwa Output – PhD thesis on going 3 publications.
4. One year project on "public private partnership - case study of Colombo Port City", University of Moratuwa. Output - M.Sc thesis completed and 1 publication
5. Three year project on "risk analysis of the maintainability of buildings", University of Moratuwa Output – 9 publications and PhD thesis completed.
6. Three year project on "Educated Trade-offs and stakeholder consultation for decision making in development projects" funded by Economy and Environment Programme for South East Asia (EEPSEA). Output – 12 publications and Ph.D thesis completed.
7. Three year project to study "economic value of built heritage" funded by the ADB Science and Technology Personnel Development Project, University of Moratuwa. Output – Ph.D thesis under preparation.
8. One year project to study "private sector participation in infrastructure projects, policies, regulation and implementation", University of Moratuwa. Output - two M.Sc thesis completed and 4 publications.
9. One year project to study "environmental management systems in project management and construction sites", University of Moratuwa. Output - one M.Eng thesis completed, Three research papers published.
10. One year project to study "stakeholder participation in natural resource project management", University of Moratuwa. M.Eng thesis completed.

11. Two year project to study and develop an “Expert System for better management of solid waste composting by Pradeshiya Sabhas” funded by the National Research Council, EA1P and University of Moratuwa was completed in July 2002 for University of Moratuwa. Output - 2 M.Sc theses and 15 research papers.
12. One year project to study “private sector participation in the rehabilitation of irrigation systems” was completed in July 2002 for University of Moratuwa. Output - a M.Eng thesis and two research papers.
13. One year project to study “recovery of abandoned paddy lands” was completed in March 2002 for University of Moratuwa. Output - one research paper.
14. One year project to study “domestic water tariff in Sri Lanka” was completed in May 2001 for University of Moratuwa. One research paper.
15. Two year project to study “implementation of environmental management systems in construction project management organisations in Singapore”, funded by the National University of Singapore was completed in July 1999 for the Centre of Building Performance and Construction (CBPC), National University of Singapore. Output - one report to CBPC and two research papers.
16. Two year project to develop “value-for-money based approach to analyse viability of build operate transfer (BOT) for new infrastructure projects”, was completed in May 1998 for the CBPC, National University of Singapore. Output - one report to CBPC, one book by the Institute of Policy Studies, Sri Lanka and four research papers.
17. Two year project to develop “a methodology to value and analyse unique natural environmental and/or cultural assets threatened by development projects”, was completed in July 1998 for the CBPC, National University of Singapore. Output - one report to CBPC, one book by the Institute of Policy Studies and five research papers.
18. Two year project to explore “financing and risk analysis of overseas infrastructure projects”, University of Moratuwa and National University of Singapore. Output - four research papers.
19. One and half year project to study “contingency management for project cost”, funded by the National University of Singapore was completed in December 1998 for the CBPC, National University of Singapore. Output - one report and one research paper published.
20. Two year project to analyse the “treatment of correlation and *induced correlation* between variables in the estimation of project cost of buildings” was completed in June 1998 for the CBPC, National University of Singapore. Output - one report to CBPC and two research papers published.
21. One and half year project to investigate “willingness to pay for urban water supply in Sri Lanka” was completed in June 1997 for the University of Moratuwa. Output - a M.Eng thesis and three research papers.
22. One and half year project to investigate “privatisation of water supply in Sri Lanka” was completed in December 1996 for the University of Moratuwa. Output - a M.Eng thesis and two research papers.
23. Six month project to develop “financing options for Colombo Katunayake Expressway (CKE)”, was completed in December 1996. Output - one research paper published.
24. One and half year project to study “feasibility and environmental impacts of clay mining in Sri Lanka” funded by the Economy and Environment Program for South East Asia (EEPSEA) was completed in October 1995. Output - research report to EEPSEA and six research papers published including three in *Engineer*.
25. Two-year project to develop “an innovative management structure for special construction projects of the construction and management division of the Roads Development Authority” was completed in November 1994 for the University of Moratuwa. Output - a M.Eng thesis.
26. Six-month project to incorporate “environmental costs and benefits to the economic feasibility of the Kukule Ganga Hydropower Project” was completed in July 1993 for Natural Resources and Environmental Policy Project of Sri Lanka. One research paper.
27. Two-year project to study “the role of industry support institutions in the technology capability enhancement of construction contractors in Sri Lanka” was completed in January 1993 for the University of Moratuwa.

28. Two-year project to develop a new "method for contingency allocation and management for project cost and duration" was completed in December 1992. Output - M.Eng thesis, five research papers.

## **PUBLICATIONS**

### **Books**

1. M RANASINGHE, *A Method to Analyze Viability of Private Sector Participation in New Infrastructure Projects in Sri Lanka*, Institute of Policy Studies, Sri Lanka, Feb. 1998, ISBN 955-9122-67-3.
2. M RANASINGHE, *Analysis of unique natural, environmental and/or cultural assets threatened by development projects: the case of Upper Kotmale Hydropower Project*, Institute of Policy Studies, Sri Lanka, April 1999, ISBN 955-9122-72-X.

### **International Publications**

1. M RANASINGHE and A D Russell (1990), Analytical alternative to simulation for economic risk analysis of large engineering projects, *Proceedings, Canadian Society for Civil Engineering Annual Conference*, Hamilton, Ontario, **3**, pp. 311-330.
2. M RANASINGHE and A D Russell (1990), Elicitation of subjective probabilities for risk analysis in engineering construction, *Managing Projects*, Edited by V Ireland and T Uher, **4**, pp. 376-387.
3. A D Russell and M RANASINGHE (1990), Decision framework for fast track construction, *Managing Projects*, Edited by V Ireland and T Uher, **4**, pp. 400-411.
4. M RANASINGHE and A D Russell (1991), Economic risk analysis of large engineering projects, *Canadian Journal of Civil Engineering*, **18**(3), pp. 416-427.
5. A D Russell and M RANASINGHE (1991), Decision framework for fast track construction: deterministic analysis, *Construction Management and Economics*, E&FN Spon, U.K., **9**, pp. 467-479.
6. M RANASINGHE and A D Russell (1991), Analytical method for quantification of economic risks during feasibility analysis, *Management, Quality and Economics in Building*, Edited by A. Bezelga and P. Brandon, E&FN Spon, London, U.K., pp. 1311-1321. (invited paper).
7. M RANASINGHE and A D Russell (1992), Analytical approach for economic risk quantification of large engineering projects: validation, *Construction Management and Economics*, E&FN Spon, U.K., **10**, pp. 45-68.
8. M RANASINGHE and A D Russell (1992), Treatment of correlation for risk analysis of engineering projects, *Journal of Civil Engineering Systems*, Gordon & Breach Science Publishers, U.K., **9**, pp. 17-39.
9. A D Russell and M RANASINGHE (1992), Analytical approach for economic risk quantification of large engineering projects", *Construction Management and Economics*, E&FN Spon, U.K., **10**, pp. 207-301.
10. M RANASINGHE and A D Russell (1993), Elicitation of subjective probabilities for economic risk analysis : an investigation, *Construction Management and Economics*, E&FN Spon, U.K., **11**, pp. 326-340.
11. M RANASINGHE (1994), Quantification and management of uncertainty in activity duration networks, *Construction Management and Economics*, E&FN Spon, U.K., **12**, pp. 15-29.
12. M RANASINGHE (1994), Contingency allocation and management for building projects, *Construction Management and Economics*, E&FN Spon, U.K., **12**, pp. 233-243.
13. M RANASINGHE (1994), Extended benefit cost analysis: quantifying some environmental impacts in a hydropower project, *Project Appraisal*, Beech Tree Publishing, U.K., **9**(4), pp. 243-251.
14. M RANASINGHE (1995), CALM: an innovative approach for contingency allocation and management for buildings, *Journal of Real Estate and Construction*, Singapore University Press, **5**, pp. 83-97.

15. M RANASINGHE (1996), Mine restoration bond for clay mining and its impact on the prices of building materials in Sri Lanka, *Construction Management and Economics*, E&FN Spon, U.K., **14**, pp. 165-174.
16. M RANASINGHE (1996), Total project cost: a simplified model for decision makers, *Construction Management and Economics*, E&FN Spon, U.K., **14**, pp. 497-505.
17. M RANASINGHE (1997), Reconciling private profitability and social costs: the case of clay mining in Sri Lanka, *Project Appraisal*, Beech Tree Publishing, U.K., **12**(1), pp.31-42.
18. M RANASINGHE (1997), Bounds on the value of waterfalls: a case study from a hydropower project, *Project Appraisal*, Beech Tree Publishing, U.K., Vol. **12**(3), pp. 185-192.
19. P N Seneviratne and M RANASINGHE (1997), Transportation infrastructure financing: evaluation of alternatives, *Journal of Infrastructure Systems*, ASCE, **3**(3), pp. 111-118.
20. M RANASINGHE (1997), A case study on the value of waterfalls threatened by the construction of a hydropower project in Sri Lanka, *1st International Conference on Construction Industry Development: Building the Future Together, Singapore*, December 1997, **1**, pp. 215-224.
21. M RANASINGHE (1997), Theme A2: Broad Issues Relating to the Industry, *1st International Conference on Construction Industry Development: Building the Future Together, Singapore*, Dec. 97, Sup. Vol., pp. 36-41.
22. M RANASINGHE and P Wanigasundara (1997), The policy implications of private sector projects for water supply in Sri Lanka, *1st International Conference on Construction Industry Development: Building the Future Together, Singapore*, December 1997, **1**, pp. 225-231.
23. M RANASINGHE (1998), Risk management in the insurance industry: insights for the engineering construction industry, *Construction Management and Economics*, E&FN Spon, U.K., **16**(1), pp. 31-39.
24. M RANASINGHE (1998), Thoughts on a methodology to analyze viability of private-sector participation in new infrastructure projects in developing countries, *Impact Assessment and Project Appraisal*, Beech Tree Publishing, U.K., **16**(3), pp. 203-213.
25. M RANASINGHE (1998), Opportunities for Financing Overseas Infrastructure Projects, *Congress Proceedings, The Third International Congress on Construction*, Singapore, May, pp. 119-124.
26. M RANASINGHE and Lum Sau Kim (1998), Risk Analysis in Financing Overseas Infrastructure Projects, *Congress Proceedings, The Third International Congress on Construction*, Singapore, May 1998, pp. 139-144.
27. M RANASINGHE, K S Mathur and A D Russell (1998), Lease or Build: A Case Study on the use of Risk Simulation, *ASCE Fifth Congress on Computing on Information Technologies in Civil Engineering*, Boston, Massachusetts, October 1998, pp. 224-234.
28. M RANASINGHE, K S Mathur and C Leong (1998), Computer-Aided Project Control Approach Based on Risk Analysis, *ASCE Fifth Congress on Computing on Information Technologies in Civil Engineering*, Boston, MA, October 1998, pp. 259-268.
29. C Briffett, G Ofori, M RANASINGHE and Gu G (1998), ISO 14000 Practical Implications for the Construction Industry: Case Study in Singapore, *Total Quality Management in Construction: Towards Zero Defect*, Edited by T C Haupt, G Smith and O J Ebohon, Peninsula Technikon, Cape Town, South Africa, November 1998, pp. 2-15.
30. M RANASINGHE (1999), Private sector participation in infrastructure projects: A methodology to analyze viability of BOT, *Construction Management and Economics*, E&FN Spon, U.K., **17**(4), pp. 613-623.
31. M RANASINGHE, Goh B-H and T Barathithasan (1999), Estimating willingness to pay for urban water supply: a comparison of artificial neural networks and multiple regression analysis, *Impact Assessment and Project Appraisal*, Beech Tree Publishing, U.K., **17**(4) , pp. 273-281.
32. M RANASINGHE (1999), Perception of risk in financing overseas infrastructure projects, *Civil and Environmental Engineering Conference (C&EEC)*, Bangkok, Thailand, November 1999, **3**, pp. V91-V100.



33. M RANASINGHE (1999), Value-for-money based method to analyze viability of new infrastructure projects, *Civil and Environmental Engineering Conference (C&EEC)*, Bangkok, Thailand, November 1999, **3**, pp.V81-V90.
34. M RANASINGHE, Goh B-H and T Barathithasan (1999), A comparative study of artificial neural networks and multiple regression analysis in estimating willingness to pay for urban water supply, *2nd International Conference on Construction Industry Development, and 1st International Conference of CIB TG 29 on Construction in Developing Countries: Construction Industry Development in the new Millenium, Singapore*, October 1999, pp. 270-280.
35. M. RANASINGHE (2000), Impact of correlation and induced correlation on the estimation of project cost of buildings, *Construction Management and Economics*, E&FN Spon, U.K., **18**(4), pp. 395-406.
36. Ong, S E and M. RANASINGHE (2000), Portfolio Variance and Correlation Matrices, *Journal of Real Estate Portfolio Management*, USA, **6**(1), pp. 1-7.
37. Ofori, G., Briffet,C., Gu, G. and M. RANASINGHE (2000), Impact of ISO 14000 on construction enterprises in Singapore, *Construction Management and Economics*, E&FN Spon, U.K., **18**(8), pp. 935-947.
38. M RANASINGHE (2000), Analysis of uncertainty in the valuation of cultural and natural assets, *Cities and Sustainability: Sustaining our Cultural Heritage*, Chapter 4, pp. 4-62-4-69.
39. Fischer, T F and M. RANASINGHE (2001), Culture and foreign companies' of entry mode: the case of Singapore building and construction industry, *Construction Management and Economics*, E&FN Spon, U.K., **19**(4), pp. 343-353.
40. M RANASINGHE (2001), Risk and uncertainty analysis of unique natural, environmental or cultural assets threatened by infrastructure projects, *3<sup>rd</sup> International Conference on Construction Project Management, Singapore*, pp. 327-336.
41. M RANASINGHE (2001), Risk analysis of an insurance firm: insights for decision-makers For investments in engineering projects, *Conference Proceedings, 5<sup>th</sup> Asia Pacific Risk and Insurance Association Annual Conference*, Bangalore, India, July 2001, **1**(B), pp. 19-25.
42. M RANASINGHE, D. M. Sooriyaarachchi, A. H. Siribaddana and O. W. W. De Silva (2001), Environmental management systems in construction sites in developing countries: case study from Sri Lanka, *3<sup>rd</sup> International Conference on Construction Project Management, Singapore*, pp.159-169.
43. M RANASINGHE (2002), Risk and uncertainty analysis of natural environmental assets threatened by hydropower projects: case study from Sri Lanka, *Energy for Sustainable Development*, **VI**(1), pp. 56-63.
44. L C Jayawardhana, A Manipura, A de Alwis, S Pilapitiya, M RANASINGHE and I Abeygunawardena (2002), Knowledge based management of solid waste for Sri Lanka, *Proceedings of the 6<sup>th</sup>World Congress on Integrated Resources Management*, Geneva, Switzerland, February 2002.
45. A Manipura, L C Jayawardhana, A de Alwis, S Pilapitiya, M RANASINGHE and I Abeygunawardena, (2002), Analysis and development of high rate composting system using MSW in Sri Lanka, *Proceedings of the 6<sup>th</sup>World Congress on Integrated Resources Management*, Geneva, Switzerland, February 2002.
46. L C Jayawardhana, A Manipura, A de Alwis, S Pilapitiya, M RANASINGHE and I Abeygunawardena (2003), BESTCOMP: Expert System for Sri Lankan Solid Waste Composting, *Expert Systems with Applications*, Elsevier, **24**(3).
47. M RANASINGHE and M S U Perera (2003), Private Sector Participation in the Rehabilitation of Water Resources Projects, *Knowledge Construction – Joint International Symposium of CIB Working Commissions W55, W65 and W 107*, Singapore, October 2003, pp. 636-645.
48. M RANASINGHE and S D L Tilak (2003), Host Country Requirement Index: Decision Making Model For Investments In Infrastructure Projects, *Knowledge Construction – Joint International Symposium of CIB Working Commissions W55, W65 and W 107*, Singapore, October 2003, pp. 626-635.
49. N De Silva, C De Silva, C Leong and M RANASINGHE (2003), RBF Model for Contingency Allocation to Construction, *Knowledge Construction – Joint International Symposium of CIB Working Commissions W55, W65 and W 107*, Singapore, October 2003, pp. 695-706.

50. L C Jayawardhana, A Manipura, A de Alwis, M RANASINGHE, I Abeygunawardena and S Pilapitiya (2004), In need of solutions – experiences in managing solid waste in Sri Lanka, *Waste Management World*, Journal of the International Solid Waste Association, March-April 2004, pp. 66-70.
51. K D S Gunathilaka and M RANASINGHE (2005), Toll Highways to Sri Lanka for Economic Development, *2<sup>nd</sup> International Conference on Business Management in the Third World (ICBM 2005)*, March 2005, Colombo, pp. 511-519.
52. K D S Gunathilaka and M RANASINGHE (2005), Reality Check of Financing Toll Highways to Sri Lanka, *7<sup>th</sup> World Congress on Recovery, Recycling and Re-integration*, September 2005, Beijing, China.
53. M Perera and M RANASINGHE (2006), Prompt List for Risk Management in Sri Lankan Software Industry, *2<sup>nd</sup> International Conference on Information and Automation 2006*, Colombo, Sri Lanka, December 2006.
54. B Thoradeniya M RANASINGHE and Wijesekera N T S, (2007), Social and environmental impacts of a mini-hydro project on the Ma Oya basin in Sri Lanka, *Proceedings of the International Conference on Small Hydropower*, October 2007, Sri Lanka, pp 331 – 341.
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2. M RANASINGHE and A D Russell (1991), Analytical approach for economic risk analysis of large engineering projects in developing countries, *Engineer*, Journal of the Institution of Engineers, Sri Lanka, **19(1)**, pp. 39-46.
3. M RANASINGHE (1992), Management of uncertainty in project duration networks: a case study, *Annual Transactions, Institution of Engineers, Sri Lanka*, Vol. 1, pp. 39-57.
4. M RANASINGHE (1993), Simulation of engineering systems: some important requirements", *Engineer*, Journal of the Institution of Engineers, Sri Lanka, **21(1)**, pp. 44-53.
5. M RANASINGHE (1993), Correlations for engineering systems, *Engineer*, Journal of the Institution of Engineers, Sri Lanka, **21(2)**, pp. 15-22.
6. M RANASINGHE (1994), Environmental bond for clay mining in Sri Lanka, *Golden Jubilee Sessions of the Sri Lanka Association for the Advancement of Sciences*, Colombo, Sri Lanka, December 1994.
7. M RANASINGHE (1994), Quantification and Management Uncertainty of Project Costs, *National Conference on Project Management*, Colombo, Sri Lanka, August 1994.
8. M RANASINGHE (1995), A model for project cost, *Annual Transactions, Institution of Engineers, Sri Lanka*, October, 1995, **1**, pp. 96-105.
9. M RANASINGHE (1996), Clay mining for building materials: analysis framework, *Engineer*, Journal of the Institution of Engineers, Sri Lanka, **24(1)**, pp. 45-55.
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29. Bandara, J M S J and M RANASINGHE (2003), Student Administration in Modular Based Semester System: Experience in the Faculty of Engineering University of Moratuwa, *International Seminar on Economic Advancement based on the Knowledge Society – Role of the Engineer in a Developing country, 97<sup>th</sup> Annual Sessions, Institution of Engineers, Sri Lanka*, October 2003, pp 44-47.

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41. B Thoradeniya, M RANASINGHE and Wijesekera N T S, (2007), Approach for grass-root stakeholder consultations: case of Ma Oya river, *Proceedings of the 13<sup>th</sup> Annual Symposium, Engineering Research Unit*, University of Moratuwa, Sri Lanka, Ed: Vathsala Wickramasinghe, 10 October 2007, Colombo, pp 81 – 83.
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49. W.A. Asanka and M RANASINGHE (2015), Study on the Impact of Accidents on Construction Projects, 6<sup>th</sup> International Conference on Structural Engineering and Construction Management, December 2015, Kandy, Sri Lanka, pp. 58-67.
50. D.L. Thoradeniya and M RANASINGHE (2016), The Colombo Port City, its major issues and the road to successful implementation, *Annual Transactions Part B, Institution of Engineers Sri Lanka*, October 2016, pp. 429-436.
51. W.A. Asanka and M RANASINGHE (2016), Distribution of Responsibilities and Applicability of Risk Assessments in Construction Safety, *Annual Transactions Part B, Institution of Engineers Sri Lanka*, October 2016, pp. 455-463.
52. L Daluwatte and M RANASINGHE (2017), Contributory factors for Cost and Time overruns of Construction Projects, *Annual Transactions Part B, Institution of Engineers Sri Lanka*, October 2017, pp. 89-96.
53. W.A. Asanka and M RANASINGHE (2017), Sub-Contracting and Accident Risk in Construction Industry: A Case Study in Singapore, *Annual Transactions Part B, Institution of Engineers Sri Lanka*, October 2017, pp. 97-104.
54. L Daluwatte and M RANASINGHE (2018), Effects of Inputs from the Pre-Construction Activities on the Design Phase of Construction Projects, *Engineer*, Journal of the Institution of Engineers, Sri Lanka, LI(2), pp. 31-42.
55. P.L.A.I Shehara. and M RANASINGHE (2019), "Inadequacies of analysis of pre-construction activities on cost overruns in construction projects", 2019 Moratuwa Engineering Research Conference (MERCon), Sri Lanka
56. L Daluwatte and M RANASINGHE (2019), Effects on Construction Project Completion due to Inadequate inputs at the Design Stage, *Annual Transactions Part B, Institution of Engineers Sri Lanka*, October 2019, pp. 159-167.
57. P.L.A.I Shehara and M RANASINGHE (2019), "Assessing the Key Drivers for Cost Overruns in Construction Projects", 2019, *IESL Young Members Technical Conference - 113th Annual Sessions, Institution of Engineers Sri Lanka*, October 2019.
58. A Rathnayake. and M RANASINGHE (2020), Evaluating Cost and Time Performance of Sri Lankan Construction Projects, *Engineer*, Journal of the Institution of Engineers, Sri Lanka, Vol. LIII(3), July 2020, pp. 79-89.
59. A Rathnayake and M RANASINGHE (2020), A KPI Based Performance Measurement Framework for Sri Lankan Construction Projects. In *Moratuwa Engineering Research Conference (MERCon)*, Sri Lanka, pp. 348-353, doi:10.1109/MERCon 50084.2020.9185304.
60. L Daluwatte and M RANASINGHE (2020), Minimising risk of exceeding cost and time in construction projects, *Annual Transactions Part B, Institution of Engineers, Sri Lanka*, 2020 (accepted for publication).

## **OTHER ACTIVITIES**

1. President, Dayaka Sabha, Jayasundaramaya, Yogyiana
2. President, Rural Development Society, Yogyiana,
3. Founder Chairman, Ray Wijewardena Charitable Trust
4. Secretary, Paulis Silva Buddhist Educational Trust (Trust established by an Act of Parliament)
5. Chairman, Standing Committee on Engineering and Architecture, UGC, 2015 -
6. Chairman, Standing Committee on Technology, UGC, 2015 -
7. Chairman, Standing Committee on Computing, UGC, 2015 -
8. Chairman, Standing Committee on Postgraduate Studies and Research, UGC, 2016-
9. Chairman, Standing Committee on Management, UGC, 2016 -
10. Chairman, Standing Committee on Quality Assurance and Accreditation, UGC, 2015 - 2016.
11. Member, Board of Governors, Mahapola Trust Fund, 2009 - 2014
12. Member, Board of Governors, Arthur C Clarke Institute for Modern Technologies, 2005–2011.

13. Member, National Council for Economic Development – Construction Sector, 2004, Member, Land Survey Council of Sri Lanka, 2003.
14. Ministry Coordinator, Improving Relevance & Quality of Undergraduate Education (IRQUE) Project, 2003.
15. Member, Committee to develop the Information and Communication Technology (ICT) roadmap for Sri Lanka 2003.
16. Member, National Water Tariff Policy Committee 2000.
17. Member, Editorial Board, Construction Management and Economics, an International Journal 1995-2011.
18. Member, Editorial Board, Journal of Construction Management, an International Journal since 1999.
19. Member, Working Group on Environmental Economics 1996.
20. Referee: Construction Management and Economics; Engineering Construction and Architectural Management; and Journal of Construction Procurement; The Engineering Economist; International Journals from UK and USA.
21. Coordinator and Resource Person: Professional Development Programme in Infrastructure Project Management, SIDI, 1995; Risk Management for Professionals, 2004; NUS-UoM Joint Executive Development Program in Project Management in Singapore, February, May and November 2004, May 2005, May and December 2006, September 2007, May 2008, March 2009, July 2013, July 2014, July 2015, June 2016, June 2017; NUS-UoM Joint Executive Development Program in Real Estate Development and Management in Singapore, May 2005.
22. Resource Person: CEA Advisory Committee on Environmental Impacts of Unplanned Clay Mining, 1995; Workshop on Economic Analysis of Environmental Impacts, NAREPP, 1996; Executive course on International Construction Management, NUS, May 1997; Executive course on Construction Project Management, NUS, 1997; Singapore-UNDP TCDC Training course on Urban Management, NUS, Sep 1997; Seminar on Infrastructure Development for Next Millennium, PSIDC, March 1998; Urban Management course under the Singapore Technical Assistance Programme for Sustainable Development (STAPSD), NUS, April 1998; Singapore-UNDP Caribbean Training Course on Urban Management, NUS, July 1998; Singapore-UNDP TCDC Training course on Urban Management, NUS, Aug 1998; Project Appraisal and Risk Analysis, CIMA, Feb 1999; Small Hydro Development, 2004.
23. President, Sri Lanka Universities Sports Association (SLUSA), 1992-95.
24. Chairman, Sports Advisory Board, University of Moratuwa, 1992-1996.
25. Chairman, Organising Committee for 5th Sri Lanka University Games at Moratuwa, 1994-95.