

CURRICULUM VITAE

PERSONAL DETAIL



Prof. Dr. Hashim Bin Abdul Razak

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ResearcherID Link <http://www.researcherid.com/rid/B-8601-2010> (<http://www.researcherid.com/rid/B-8601-2010>)

BIBLIOMETRIC DATA

Total Articles in Publication List	92 (http://www.researcherid.com/citation/B-8601-2010)
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Sum of the Times Cited	916 (http://www.researcherid.com/citation/B-8601-2010)
Average Citations per Article	10.41 (http://www.researcherid.com/citation/B-8601-2010)
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Co-authors	Collaboration Network (http://labs.researcherid.com/mashlets/rid/mashletsServer.jsp?rid=B-8601-2010&mid=CollaborationNetwork)
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ACADEMIC QUALIFICATION

(Qualification), (Institution).

PhD(SURREY)(1986), SURREY UNIVERSITY, SURREY, UK
MSc(SURREY)(1980), SURREY UNIVERSITY, SURREY, UK
BSc(Hons)(SALFORD)(1979), SALFORD UNIVERSITY, SALFORD, UK

PROFESSIONAL

(Organisation), (Role), (Year), (Level).

Board of Engineers, Malaysia, Graduate Member, 1981, (National)
Concrete Society of Malaysia, Founding Member, 1991, (National)
Concrete Society, UK, Member, 1993 to 1995, (International)

ADMINISTRATIVE DUTIES

(Role), (Level), (Start date),(End Date).

Director, Deputy Vice Chancellor's Office (Development), Deputy Vice Chancellor(Development), 01/01/2009 to 31/12/2009
Director, Deputy Vice Chancellor's Office (Development), Deputy Vice Chancellor(Development), 01/01/2008 to 31/12/2008
Acting Head of Department, Department of Civil Engineering, Faculty of Engineering, 30/10/1995 to 02/12/1995
Head of Department, Department of Civil Engineering, Faculty of Engineering, 01/05/1995 to 30/09/1996
Acting Head of Department, Department of Civil Engineering, Faculty of Engineering, 14/12/1993 to 14/12/1993
Acting Head of Department, Department of Civil Engineering, Faculty of Engineering, 30/06/1990 to 02/07/1990
Acting Head of Department, Department of Civil Engineering, Faculty of Engineering, 03/04/1988 to 30/04/1988
Acting Head of Department, Department of Civil Engineering, Faculty of Engineering, 11/12/1987 to 18/12/1987
Acting Head of Department, Department of Civil Engineering, Faculty of Engineering, 15/10/1987 to 16/10/1987
Acting Head of Department, Department of Civil Engineering, Faculty of Engineering, 12/10/1987 to 13/10/1987
Director, Department of Development and Estate Maintenance, University Malaya, 01/01/2008 to 31/12/2009
Head, Department of Civil Engineering, University Malaya, 01/05/1995 to 30/09/1996
Acting Head, Department of Civil Engineering, University Malaya, 03/04/1988 to 30/04/1988

AREAS OF EXPERTISE

(Area).

Structural Engineering (Structural Assessment and Health Monitoring)
Concrete Technology (High Performance Concrete, Sustainable Construction)

RECENT SELECTED PUBLICATIONS

(Publication).

Book**2012**

Naganathan, S & Abdul Razak, H. 2012. Controlled low-strength material made using bottom ash and quarry dust : Study on engineering and leaching properties : Lambert Academic Publishing.

Article in Academic Journals**2016**

Ravanfar, Seyed Alireza; Razak, Hashim Abdul; Ismail, Zubaidah; et al. 2016. A two-step damage identification approach for beam structures based on wavelet transform and genetic algorithm. MECCANICA 51(3) : 635-653. (ISI-Indexed)

Said, Shwan H.; Razak, Hashim Abdul. 2016. Structural behavior of RC engineered cementitious composite (ECC) exterior beam-column joints under reversed cyclic loading. CONSTRUCTION AND BUILDING MATERIALS. 107 : 226-234 (ISI/SCOPUS Indexed Publication)

2015

SH Mahdavi, HA Razak, S Shojaee, MS Mahdavi. 2015. A comparative study on application of Chebyshev and spline methods for geometrically non-linear analysis of truss structures. *International Journal of Mechanical Sciences*. 101, 241-251 (*ISI/SCOPUS Indexed Publication*)

MA Latif, S Naganathan, HA Razak, KN Mustapha. 2015. Evaluating the Performance of Calcium Carbide Kiln Dust in Mortar - Initial Study. *Procedia Engineering*. 125, pp.788-795 (*ISI/SCOPUS Indexed Publication*)

SH Said, HA Razak. 2015. The effect of synthetic polyethylene fiber on the strain hardening behavior of engineered cementitious composite (ECC). *Materials & Design*. 86, pp.447-457 (*ISI/SCOPUS Indexed Publication*)

J Kanadasan, H Abdul Razak. 2015. Utilization of Palm Oil Clinker as Cement Replacement Material. *Materials*. 8 (12), pp.8817-8838 (*ISI/SCOPUS Indexed Publication*)

MH Gheryani, HA Razak, M Jameel. 2015. Dynamic Response Changes of Seismic Isolated Building Due to Material Degradation of HDRB. *Arabian Journal for Science and Engineering*. 40(12), pp.3429-3442 (*ISI/SCOPUS Indexed Publication*)

SH Said, HA Razak, I Othman. 2015. Strength and deformation characteristics of engineered cementitious composite slabs with different polymer fibres. *Journal of Reinforced Plastics and Composites*. 34(23), pp.1950-1962 (*ISI/SCOPUS Indexed Publication*)

J Kanadasan, AFA Fauzi, HA Razak, P Selliah, V Subramaniam, S Yusoff. 2015. Feasibility studies of palm oil mill waste aggregates for the construction industry. *Materials*. 8(9), pp.6508-6530 (*ISI/SCOPUS Indexed Publication*)

MA Latif, S Naganathan, HA Razak, KN Mustapha. 2015. Performance of Lime Kiln Dust as Cementitious Material. *Procedia Engineering*. 125, pp.780-787 (*ISI/SCOPUS Indexed Publication*)

Shwan H. Said, Hashim Abdul Razak, Ismail Othman. (2015). Flexural behavior of engineered cementitious composite (ECC) slabs with polyvinyl alcohol fibers. *Construction and Building Materials*. 75 pp.176-188 (*ISI/SCOPUS Indexed Publication*)

Tan, Kok Tong; Razak, Hashim Abdul; Lu, Dagang; et al. 2015. Seismic response of a four-storey RC school building with masonry-infilled walls. *Natural Hazards*. 78(1), pp.141-153. (*ISI/SCOPUS Indexed Publication*)

Mahdavi, Seyed Hossein; Razak, Hashim Abdul. 2015. An efficient iterative scheme using family of Chebyshev's operations. *Mathematical Problems in Engineering*. (*ISI/SCOPUS Indexed Publication*)

Mahdavi, Seyed Hossein; Razak, Hashim Abdul. 2015. Indirect time integration scheme for dynamic analysis of space structures using wavelet functions. *ASCE JOURNAL OF ENGINEERING MECHANICS*. 141(7). (*ISI/SCOPUS Indexed Publication*)

Mahdavi, Seyed Hossein; Razak, Hashim Abdul. 2015. A comparative study on optimal structural dynamics using wavelet functions. *MATHEMATICAL PROBLEMS IN ENGINEERING*. (*ISI/SCOPUS Indexed Publication*)

Ravanfar, Seyed Alireza; Razak, Hashim Abdul; Ismail, Zubaidah; et al. 2015. An improved method of parameter identification and damage detection in beam structures under flexural vibration using wavelet multi-resolution analysis. *Sensors*. 15(9), pp.22750-22775. (*ISI/SCOPUS Indexed Publication*)

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Hakim, S. J. S.; Razak, H. Abdul; Ravanfar, S. A. 2015. Fault diagnosis on beam-like structures from modal parameters using artificial neural networks. *Measurement*. 76. pp.45-61. (*ISI/SCOPUS Indexed Publication*)

Kanadasan, J., Abdul Razak, H. 2015. Engineering and sustainability performance of self-compacting palm oil mill incinerated waste concrete. *Journal of Cleaner Production*. 89, pp.78 - 86. (*ISI/SCOPUS Indexed Publication*)

2014

Mahdavi, S. H. & Razak, H. A. Optimum dynamic analysis of 2D frames using free-scaled wavelet functions. *Latin American Journal of Solids and Structures*. 11(6), pp.1036-1048 (*ISI-Indexed*)

Teuku Ferdiansyah & Hashim A Razak. The properties of nanocarbontubes cement mortar incorporating mineral additives. *Advanced Materials Research*. Vols. 875-877, pp. 383-387 (*ISI-Indexed*)

Jegathish Kanadasan, Hashim Abdul Razak. Mix design for self-compacting palm oil clinker concrete based on particle packing. *Materials and Design*. 56, pp. 9-19. (*ISI-Indexed*)

Zaki, Ahmad; Chai, Hwa Kian; Razak, Hashim Abdul; et al. 2014. Monitoring and evaluating the stability of soil slopes: A review on various available methods and feasibility of acoustic emission technique. *COMPRES RENDUS GEOSCIENCE*. 346(9-10), pp.223-232. (*ISI-Indexed*)

Hakim, S. J. S.; Razak, H. Abdul. 2014. Modal parameters based structural damage detection using artificial neural networks - a review. *SMART STRUCTURES AND SYSTEMS*. 14(2), pp. 159-189 (*ISI-Indexed*)

Fayyadh, Moatasem M.; Razak, H. Abdul. 2014. ANALYTICAL AND EXPERIMENTAL STUDY ON REPAIR EFFECTIVENESS OF CFRP SHEETS FOR RC BEAMS. JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT. 20(1), pp.21-31. *(ISI-Indexed)*

Khaleel, O. R.; Razak, H. Abdul. 2014. Mix design method for self compacting metakaolin concrete with different properties of coarse aggregate. MATERIALS & DESIGN, 53, pp. 691-700 *(ISI-Indexed)*

2013

Fayyadh, Moatasem Mohammed & Razak, Hashim Abdul. 2013. DAMAGE IDENTIFICATION AND ASSESSMENT IN RC STRUCTURES USING VIBRATION DATA: A REVIEW. JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT Volume: 19 Issue: 3 Pages: 375-386 *(ISI-Indexed)*

Naganathan, Sivakumar, Razak, Hashim Abdul & Hamid, Siti Nadzriah Abdul. 2013. Corrosivity and leaching behavior of controlled low-strength material (CLSM) made using bottom ash and quarry dust. JOURNAL OF ENVIRONMENTAL MANAGEMENT Volume: 128 Pages: 637-641 *(ISI-Indexed)*

Razi, Putri Zulaiha & Razak, Hashim Abdul. 2013. Environmental Sustainability and Engineering Performance of Self-Compacting Mortar Incorporating Fly Ashes. Applied Mechanics and Materials Volume: 253-255 Pages: 559-563 *(ISI-Indexed)*

Hashim, Huzaifa, Ibrahim, Zainah & Razak, Hashim Abdul. 2013. Dynamic characteristics and model updating of damaged slab from ambient vibration measurements. MEASUREMENT Volume: 46 Issue: 4 Pages: 1371-1378 *(ISI-Indexed)*

Razak, H. Abdul & Fayyadh, Moatasem M. 2013. Sensitivity of Natural Frequencies to Composite Effects in Reinforced Concrete Elements. MECHANICS OF ADVANCED MATERIALS AND STRUCTURES Volume: 20 Issue: 6 Pages: 441-453 *(ISI-Indexed)*

Monajemi, Hooman, Razak, Hashim Abdul & Ismail, Zubaidah. 2013. Damage detection in frame structures using damage locating vectors. MEASUREMENT Volume: 46 Issue: 9 Pages: 3541-3548 *(ISI-Indexed)*

Hakim, S. J. S. & Razak, H. Abdul. 2013. Adaptive Neuro Fuzzy Inference System (ANFIS) and Artificial Neural Networks (ANNs) for structural damage identification. STRUCTURAL ENGINEERING AND MECHANICS Volume: 45 Issue: 6 Pages: 779-802 *(ISI-Indexed)*

Hakim, S. J. S. & Razak, H. Abdul. 2013. Structural damage detection of steel bridge girder using artificial neural networks and finite element models. STEEL AND COMPOSITE STRUCTURES Volume: 14 Issue: 4 Pages: 367-377 *(ISI-Indexed)*

Mahdavi, S. H. & Razak, H. Abdul. 2013. A wavelet-based approach for vibration analysis of framed structures. APPLIED MATHEMATICS AND COMPUTATION Volume: 220 Pages: 414-428 *(ISI-Indexed)*

2012

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Moatasem M. Fayyadh & H. Abdul Razak. 2012. Condition assessment of elastic bearing supports using vibration data. Construction and Building Materials 30 (2012) 616-628. *(ISI-Indexed)*

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Fathollah Sajedi, Hashim Abdul Razak, Hilmi Bin Mahmud & Payam Shafiqh. 2012. Relationships between compressive strength of cement slag mortars under air and water curing regimes. Construction and Building Materials 31 (2012) 188-196. *(ISI-Indexed)*

Khaleel, O. R.; Razak, H. Abdul. 2012. The effect of powder type on the setting time and self compactability of mortar. CONSTRUCTION AND BUILDING MATERIALS. Volume: 36 Pages: 20-26 *(ISI-Indexed)*

Sivakumar, N.; Hashim, A. R.; Nadzriah, A. H. S. 2012. Effect of quarry dust addition on the performance of controlled low-strength material made from industrial waste incineration bottom ash. International Journal of Minerals Metallurgy and Materials Volume: 19 Issue: 6 Pages: 536-541 *(ISI-Indexed)*

2011

Razak, H. A.; Sajedi, F. 2011. The effect of heat treatment on the compressive strength of cement-slag mortars. MATERIALS & DESIGN Volume: 32 Issue: 8-9 Pages: 4618-4628 *(ISI-Indexed)*

Fayyadh, M. M.; Razak, H. A. 2011. Stiffness reduction index for detection of damage location: Analytical study. International Journal of Physical Sciences Volume: 6 Issue: 9 Pages: 2194-2204. *(ISI-Indexed)*

Khaleel, O. R.; Al-Mishhadani, S. A.; Abdul Razak, H. 2011. The Effect of Coarse Aggregate on Fresh and Hardened Properties of Self-Compacting Concrete (SCC). Procedia Engineering. Volume: 14 Pages: 805-813 *(ISI-Indexed)*

- Fayyadh, M. M.; Razak, H. Abdul; Khaleel, O. R. 2011. Differential Effects of Support Conditions on Dynamic Parameters. *Procedia Engineering*, Volume: 14 Pages: 177-184 *(ISI-Indexed)*
- Tan, K. T.; Razak, H. Abdul. 2011. Assessment of Risk to School Buildings Resulting from Distant Earthquakes. *Procedia Engineering*, Volume: 14 Pages: 2196-2204. *(ISI-Indexed)*
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- Moatasem M. Fayyadh & Hashim Abdul Razak. 2011. Modified damage location indices in beam-like structure: Analytical study. *Scientific Research and Essays* 6(32): 6605-6621.. *(ISI-Indexed)*
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- Fayyadh M. M.; Razak H. A.; Ismail Z. Combined modal parameters-based index for damage identification in a beamlike structure: theoretical development and verification. *Archives of Civil and Mechanical Engineering*. Volume 11 Issue: 3 Pages: 587-609 *(ISI-Indexed)*
- M.M. Fayyadh, S. Akib, I. Othman and H.A. Razak. 2011. Experimental investigation and finite element modelling of the effects of flow velocities on a skewed integral bridge. *Simulation Modelling Practice and Theory* Volume: 19 Issue: 9 Pages: 1795-1810 *(ISI-Indexed)*
- Mahlia, TMI, Razak, HA & Nursahida, MA. Life cycle cost analysis and payback period of lighting retrofit at the University of Malaya. *Renewable & Sustainable Energy Reviews*. Volume: 15 Issue: 2 Pages: 1125-1132 *(ISI-Indexed)*
- Sajedi, F. & Razak, H. A. Effects of thermal and mechanical activation methods on compressive strength of ordinary Portland cement-slag mortar. *Materials & Design*. Volume: 32 Issue: 2 Pages: 984-995 *(ISI-Indexed)*
- Sajedi, F & Razak, HA. Effects of curing regimes and cement fineness on the compressive strength of ordinary Portland cement mortars. *Construction and Building Materials*. Volume: 25 Issue: 4 Pages: 2036-2045 *(ISI-Indexed)*

2010

- F. Sajedi & H. Abdul Razak. Relationship between 7 and 28 days compressive strength for HSC by use of ANN and regression methods. *Asian Journal of Civil Engineering*. 2010. Vol. 11, No. 22 pages 207-218 *(SCOPUS-Indexed)*
- W. F. Pan and H. A. Razak, Concrete performance using locally produced kaolin, *Proceedings of the Institution of Civil Engineers : Construction Materials*. 2010. Vol.163, No.4, pp.201-209 *(SCOPUS-Indexed)*
- Moatasem M. Fayyadh, Hashim Abdul Razak and Shatirah Akib. 2010. Ultimate capacity and reinforcement area requirement for bridge girder using various FRP re-bars. *International Journal of the Physical Sciences* 5(17) : 2635-2641. *(ISI-Indexed)*
- Sivakumar Naganathan, Hashim Abdul Razak & Siti Nadzriah Abdul Hamid. Effect of kaolin addition on the performance of controlled low-strength material using industrial waste incineration bottom ash. *Waste Management & Research*, Vol.28, No.9, 2010, pp.848-860 *(ISI-Indexed)*
- Fathollah Sajedi & Hashim Abdul Razak. Thermal activation of ordinary Portland cement slag mortars, *Materials & Design*, Volume 31, Issue 9, 2010, Pages 4522-4527 *(ISI-Indexed)*
- Fathollah Sajedi & Hashim Abdul Razak. The effect of chemical activators on early strength of ordinary Portland cement-slag mortars, *Construction and Building Materials*, Volume 24, Issue 10, 2010, Pages 1944-1951 *(ISI-Indexed)*
- Hashim Abdul Razak, Sivakumar Naganathan and Siti Nadzriah Abdul Hamid. 2010. Controlled low-strength material using industrial waste incinerator bottom ash and refined kaolin. *The Arabian Journal for Science and Engineering*, 35(2B) : 53-67 *(ISI-Indexed)*

2009

H. Monajemi & H. Abdul Razak. Finite element modeling of suction anchors under combined loading. *Marine Structures*, Vol.22, No.4, 2009, pp.660-669 (*ISI-Indexed*)

Hashim Abdul Razak, Sivakumar Naganathan, Siti Nadzriah Abdul Hamid. Performance appraisal of industrial waste incineration bottom ash as controlled low-strength material. *Journal of Hazardous Materials*, Vol. 172, Issue 2-3, 2009, pp.862-867 (*ISI-Indexed*)

2008

H. Abdul Razak, H.S. Wong & H.K. Chai, "The potential of calcined Malaysian kaolin as a pozzolanic admixture for concrete", *Malaysian Construction Research Journal*, Vol.3, No.2, 2008, pp.21-36 (*Non-ISI/Non-SCOPUS*)

2007

T.S. Loong, H. Abdul Razak, Z. Ismail & C.K. Keong, "Experimental and numerical form-finding of membrane structures", *Asian Journal of Civil Engineering*, Vol.8, No.1, 2007, pp.1-12 (*SCOPUS-Indexed*)

Z. Ismail, D. Samugavelu & H. Abdul Razak, "Algorithms for detecting honeycombs in RC beams", *Asian Journal of Civil Engineering*, Vol.8, No.5, 2007, pp.563-572 (*SCOPUS-Indexed*)

2006

Z. Ismail & H. Abdul Razak, Flexural stiffness determination using mode shape derivative, *Asian Journal of Civil Engineering*, Vol.7, No.3, 2006, pp.213-224 (*SCOPUS-Indexed*)

Z. Ismail, H. Abdul Razak & A.G. Abdul Rahman, Damage location detection in reinforced concrete beams using mode shape derivative, *Engineering Structures*, Vol. 28, No. 11, 2006, pp. 1566-1573 (*ISI-Indexed*)

2005

H. Abdul Razak & T. Ferdiansyah, Toughness characteristics of Arenga Pinnata fibre concrete, *Journal of Natural Fibers (previously Natural Fibres)*, Vol.2, No.2, 2005, pp.89-103 (*SCOPUS-Indexed*)

H.S. Wong & H. Abdul Razak, Efficiency of calcined kaolin and silica fume as cement replacement material for strength performance, *Cement & Concrete Research*, Vol.35, No.4, 2005, pp.696-702 (*ISI-Indexed*)

H. Abdul Razak & H.S. Wong, Strength estimation model for high-strength concrete incorporating metakaolin and silica fume, *Cement & Concrete Research*, Vol.35, No.4, 2005, pp.688-695 (*ISI-Indexed*)

2004

H. Abdul Razak, Chai H. K. and Wong H. S., "Near surface characteristics of concrete containing supplementary cementing materials", *Cement and Concrete Composites*. 2004. Vol. 26(7), pp. 883-889. (*ISI/SCOPUS Indexed Publication*)

H. Abdul Razak & H.S. Wong, "Re-evaluation of strength and stiffness relationships for high-strength concrete", *Asian Journal of Civil Engineering*, Vol.5, No.1-2, 2004, pp.85-99 (*SCOPUS-Indexed*)

2002

H. Abdul Razak, A.K. Mahde & A.H. Yahya, "A chemical cellulation technique for lightweight clay bricks", *British Ceramic Transactions*, Vol.101, No.4, 2002, pp. 172-176 (*ISI-Indexed*)

2001

H. Abdul Razak & F.C. Choi, The effect of corrosion on the natural frequency and modal damping of reinforced concrete beams, *Engineering Structures*, Vol.23, Issue 9, 2001, pp. 1126-1133 (*ISI-Indexed*)

1992

H. Abdul Razak, "Preliminary study on attack of palm diesel on cement-based materials", Construction & Building Materials, Vol.6, No.3, 1992, pp.184-187 (SCOPUS-Indexed)

1990

Tan Geem Eng and Hashim Abdul Razak, "A review of structural space frame systems - concepts and development", Bulletin, Institution of Engineers Malaysia, Aug. 1990, pp.22-31 (Non-ISI/Non-SCOPUS)

1987

Hashim Abdul Razak, "Practical prediction methods for shrinkage and creep of concrete", Bulletin, Institution of Engineers Malaysia, Sept. 1987, pp.13-18 (Non-ISI/Non-SCOPUS)

Proceeding**2010**

KT Tan & H Abdul Razak, "Seismic Hazard Assessment of School Buildings in Peninsular Malaysia", Proceedings of International Symposium & 2nd AUN/Seed-Net Regional Conference on Geo-Disaster Mitigation in ASEAN. Bali, Indonesia. (Invited Speaker)

2009

H. Hashim, Z. Ibrahim & H. Abdul Razak. 2009. Finite element modelling of damaged structure. Proceedings 1st International Seminar on Sustainable Infrastructure & Building Environment in Developing Countries (SIBE 2009). Bandung, Indonesia.

Z. Ibrahim, H. Hashim & H. Abdul Razak. 2009. Modal identification of a damaged building structure by output-only analysis. Proceedings 1st International Seminar on Sustainable Infrastructure & Building Environment in Developing Countries (SIBE 2009). Bandung, Indonesia.

H. Hashim, Z. Ibrahim & H. Abdul Razak. 2009. Modal testing procedures on damaged structure. Proceedings Asia Pacific Conference on Defence and Security Technology. Kuala Lumpur

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2008

ISMAIL, Z; LEE, EH; SINTI, L; IBRAHIM, Z; RAZAK, H.A. 2008. Application of Local Stiffness Indicator on Finite Element RC Beam Model with Multiple Cracks. PROCEEDINGS OF ISMA 2008: INTERNATIONAL CONFERENCE ON NOISE AND VIBRATION ENGINEERING, VOLS. 1-8 Pages: 3231-3239. (ISI-Indexed)

N. Mohd Kamari & H. Abdul Razak, "Utilization of incinerator bottom ash as a partial replacement for cement raw material", Proc. 11th East Asia-Pacific Conference on Structural Engineering & Construction (EASEC-11), Taipei, Taiwan, 19th-21st November, 2008

H. Abdul Razak, S. Naganathan & S.N. Abdul Hamid, "Controlled low-strength material using industrial hazardous waste incinerator bottom slag and refined kaolin", Proc. 11th East Asia-Pacific Conference on Structural Engineering & Construction (EASEC-11), Taipei, Taiwan, 19th-21st November, 2008

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S. Naganathan, H. Abdul Razak & S.N. Abdul Hamid, "Performance assessment of incinerator slag as controlled low-strength material", Proc. International Conference Role for Concrete in Global Development, Dundee, Scotland, 8th-9th July, 2008, pp.365-376

S. Naganathan, H. Abdul Razak & S.N. Abdul Hamid, "Preliminary investigation on incinerator bottom slag as controlled low-strength material", Proc. International Conference on Construction and Building Technology 2008, Kuala Lumpur, 16th-20th June, 2008, pp.355-364

H. Abdul Razak, Z. Ibrahim & F.H. Lakzaean, "Finite element modeling for evaluating dynamic characteristics of a concrete footbridge", 1st Chulalongkorn University-University of Malaya Civil & Environmental Engineering Research Symposium, Bangkok, Thailand, 7th-8th May, 2008

H. Monajemi & H. Abdul Razak, ζ Finite element modeling and plastic limit analysis of suction anchor ζ , 1st Chulalongkorn University-University of Malaya Civil & Environmental Engineering Research Symposium, Bangkok, Thailand, 7th-8th May, 2008

2007

H. Monajemi & H. Abdul Razak, ζ 3-D finite element modeling of suction caisson foundations under combined V-H-M loading ζ , Proc 3rd International Conference on Structural Engineering, Mechanics & Computation, Cape Town, South Africa, 10th-12th September, 2007

H. Abdul Razak, ζ Application of experimental modal analysis in structural health monitoring ζ , AUN/SEED- Net Field-Wise Seminar in Civil Engineering, Bangkok, Thailand, 1st-2nd November, 2007

Z. Ismail, H. Hassan, P.L. Tan & H. Abdul Razak, ζ Use of local stiffness indicator to detect corrosion damage in RC beams ζ , Proc. 3rd International Conference on Structural Engineering, Mechanics & Computation, Cape Town, South Africa, 10th-12th September, 2007

Z. Ismail & H. Abdul Razak, ζ Determination of honeycombed damage in RC beams using regressed mode shapes ζ , Proc 3rd International Conference on Structural Engineering, Mechanics & Computation, Cape Town, South Africa, 10th-12th September, 2007

H. Monajemi & H. Abdul Razak, ζ Modeling and simulation of suction caisson : A study of plastic theory ζ , Proc. 6th International Congress on Industrial and Applied Mathematics, Zurich, Switzerland, 16th-20th July 2007

2006

Z. Ismail, P.L. Tan, and H.A. Razak. 2006. Detection of corrosion damage in RC beams using modal testing. Proceedings of ISMA2006: International Conference on Noise and Vibration Engineering, Vols 1-8 Pages: 865-872. (ISI-Indexed)

2004

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Z. Ismail, H. Abdul Razak & A.G. Abdul Ghaffar, ζ Flexural stiffness of honeycombed beams using mode shape derivative ζ , Proc. 6th International Congress on Advances in Civil Engineering, Turkey, 6th- 8th October, 2004

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1991

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I. Othman, H. Abdul Razak, M.Z. Jumaat and A.B. Hamidon, "Cracking and concrete deterioration on RC framed building", International Conference on Inspection, Appraisal, Repairs and Maintenance of Buildings & Structures, Singapore, Jan. 1989, pp.138- 153

H. Abdul Razak and Z.A. Powzie, "Deterioration of concrete caused by alkali-silica reaction", Regional Conference on Concrete Engineering and Technology, Kuala Lumpur, June 1989, pp.IV-89

H. Abdul Razak, M. Abdullah and S. Morsidi, "Preliminary study on the attack of palm diesel on concrete", (in Bahasa Malaysia), Regional Conference on Concrete Engineering and Technology, Kuala Lumpur, June 1989, IV-41

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1988

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H. Abdul Razak, "Testing Report - Laboratory creep and shrinkage test on high strength concrete for KLCC Twin Tower", submitted to Mayjaus/Hazama JV, August 1996

1995

H. Abdul Razak, "Testing Report - Engineering properties of epoxy EPOJET818", submitted to Efin (Malaysia) Sdn. Bhd., December 1995

1994

Y. Ariffin and H. Abdul Razak, "Investigation of Materials and Condition Survey of the Highland Towers at Hulu Kelang", Report submitted to Subcommittee on Superstructural Analysis and Material Investigation, March 1994

H. Abdul Razak, "Structural Appraisal Report - Bridge No.2, Site 5, Pembinaan Lintasan Keretapi", Final Report submitted to Panzana Enterprise Sdn. Bhd., June 1994

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1993

H. Abdul Razak, "Appraisal Report - Post-tensioned beams, Site 4, Pembinaan Lintasan Keretapi", Final Report submitted to Panzana Enterprise Sdn. Bhd., November 1993

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1988

I. Othman, H. Abdul Razak, M.Z. Jumaat and A.B. Hamidon, "Structural Investigation Programme for the Main Building, The Department of Physics, Universiti Malaya", Final Report submitted to Universiti Malaya, Nov. 1988

AREAS OF RESEARCH

(Project title), (Role), (From)-(Until), (Level), (Source).

Optimal time history assessment of structure using adaptive wavelet functions, Principal Investigator(PI), 2013 - 2016, *Postgraduate Research Grant(PPP)*, (National)

Re-engineering and adapting concrete for sustainable development and climate change initiatives, Principal Investigator(PI), 2013 - 2016, *High Impact Research (HIR)*, (National)

Multi criteria and integrated approach vibration based structural health monitoring, Principal Investigator(PI), 2013 - 2016, *High Impact Research (HIR)*, (National)

Optimal Time History Assessment Of Structure Using Adaptive Wavelet Functions, Principal Investigator(PI), 2013 - 2016, *Postgraduate Research Grant (PPP) - Research*, (National)

Smart concrete using nano materials & local aggregates and admixtures for High Strength Self Compacting Concrete (HSSCC)., Principal Investigator(PI), 2012 - 2014, *High Impact Research (HIR)*, (National)

Study On Lightweight Self-compacting Using Palm Oil Clinker And Crumb Rubber, Principal Investigator(PI), 2012 - 2015, *Postgraduate Research Grant (PPP) - Research*, (National)

A New Approach For Wavelet Transform For System Identification Of Composite Structures, Principal Investigator(PI), 2012 - 2016, <i>Fundamental Research Grant Scheme (FRGS)</i> , (National)
Smart Concrete using Nanomaterials & Local Aggregates and Adminxtures for High Strength Self Compacting Concrete (HSSCC)., Principal Investigator(PI), 2012 - 2014, <i>High Impact Research - University of Malaya (HIR-UM)</i> , (National)
A new approach for wavelet transform for system identification of composite structures, Principal Investigator(PI), 2012 - 2016, <i>Fundamental Research Grant Scheme (FRGS)</i> , (National)
Study on lightweight self-compacting using palm oil clinker and crumb rubber, Principal Investigator(PI), 2012 - 2015, <i>Postgraduate Research Grant(PPP)</i> , (National)
Non-linear finite element analysis and reliability assessment of seismic isolated buildings/Distant seismic hazard assessment, Principal Investigator(PI), 2011 - 2014, <i>Postgraduate Research Grant(PPP)</i> , (National)
Artificial neural networks (ANNs) for damage identification using modal parameters, Principal Investigator(PI), 2011 - 2014, <i>Postgraduate Research Grant(PPP)</i> , (National)
Monitoring and evaluating stability of soil slopes by acoustic emission., Co-Investigator, 2011 - 2013, <i>AUN-SEED NET/JICA</i> , (International)
NON LINEAR FINITE ELEMENT ANALYSIS AND RELIABILITY ASSESSMENT OF SEISMIC ISOLATED BUILDINGS, Principal Investigator(PI), 2011 - 2014, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
Reliability assessment and damage detection of offshore jacket platforms using modal analysis, Principal Investigator(PI), 2010 - 2011, <i>Postgraduate Research Grant(PPP)</i> , (National)
The properties of nano composite concrete, Principal Investigator(PI), 2010 - 2011, <i>Postgraduate Research Grant(PPP)</i> , (National)
DAMAGE DETECTION AND RETROFITTING OF RC SLABS USING MODAL TESTING AND WAVELET TRANSFORM, , 2010 - 2011, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
DEVELOPMENT OF ALGORITHMS FOR STRUCTURAL HEALTH MONITORING USING MODAL PARAMETERS, Principal Investigator(PI), 2010 - 2011, <i>Geran Penyelidikan Universiti Malaya (UMRG)</i> , (National)
THE PROPERTIES OF NANO COMPOSITE CONCRETE, , 2010 - 2011, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
RELIABILITY ASSESSMENT AND DAMAGE DETECTION OF OFFSHORE JACKET PLATFORMS USING MODAL ANALYSIS, , 2010 - 2011, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
FINITE ELEMENT UPDATING USING ARTIFICIAL NEURAL NETWORKS FOR STRUCTURAL DAMAGE ASSESSMENT BASED ON MEASURED MODAL RESPONE, , 2010 - 2011, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
Finite element updating using artificial neural networks for structural damage assessment based on measured modal response, Principal Investigator(PI), 2010 - 2011, <i>Postgraduate Research Grant(PPP)</i> , (National)
Damage detection and retrofitting RC slabs using modal testing and wavelet transform, Principal Investigator(PI), 2010 - 2011, <i>Postgraduate Research Grant(PPP)</i> , (National)
Development of algorithms for structural health monitoring using modal parameters, Principal Investigator(PI), 2010 - 2013, <i>Geran Penyelidikan Universiti Malaya (UMRG)</i> , (National)
USE FINITE ELEMENT TO CHECK THE EFFECTIVENESS OF CFRP FOR REPAIR OF DAMAGED STRUCTURAL ELEMENTS, , 2009 - 2011, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
Experimental and analytical studies on dynamic characteristics of a concrete footbridge, Principal Investigator(PI), 2009 - 2010, <i>Postgraduate Research Grant(PPP)</i> , (National)
EXPERIMENTAL AND ANALYTICAL STUDIES ON DYNAMIC CHARACTERISTICS OF A CONCRETE FOOTBRIDGE, , 2009 - 2010, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
ALKALI ACTIVATED HIGH PERFORMANCE CONCRETE, , 2009 - 2010, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
Identification of potential energy efficiency improvement and propose an optimize energy management system in the University Malaya campus, Principal Investigator(PI), 2008 - 2010, <i>Short Term Research Fund (Vote F)(PJP)</i> , (National)
Fragility curves for seismic hazard assessment of buildings in Malaysia, Principal Investigator(PI), 2008 - 2009, <i>Short Term Research Fund (Vote F)(PJP)</i> , (National)
The use of incinerator slag for self compacting controlled low strength material, Principal Investigator(PI), 2008 - 2009, <i>Postgraduate Research Grant(PPP)</i> , (National)

THE USE OF INCINERATOR SLAG FOR SELF COMPACTING CONTROLLED LOW STRENGTH MATERIAL, , 2008 - 2009, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
Use of finite element to determine effectiveness of CFRP sheets for repair of structural elements, Principal Investigator(PI), 2008 - 2011, <i>Postgraduate Research Grant(PPP)</i> , (National)
Alkali activated high performance concrete, Principal Investigator(PI), 2008 - 2010, <i>Postgraduate Research Grant(PPP)</i> , (National)
THE EFFECT OF AGGREGATE AND MINERAL ADMIXTURES ON THE ENGINEERING PROPERLIES OF SELF CAMPACTING CONCRETE, , 2008 - 2010, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
IDENTIFICATION OF POTENTIAL ENERGY EFFICIENCY IMPROVEMENT AND PROPOSE AN OPTIMIZE ENERGY MANAGEMENT SYSTEM IN THE UNIVERSITY MALAYA CAMPUS, Principal Investigator(PI), 2008 - 2010, <i>RU Geran</i> , (National)
ALKALI ACTIVATED HIGH PERFORMANCE CONCRETE, , 2008 - 2010, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
FRAGILITY CURVES FOR SEISMIC HAZARD ASSESSMENT OF BUILDINGS IN MALAYSIA, Principal Investigator(PI), 2008 - 2009, <i>RU Geran</i> , (National)
USE OF FINITE ELEMENT TO DETERMINE EFFECTIVENESS OF CFRP SHEETS FOR REPAIR OF STRUCTURAL ELEMENTS, , 2008 - 2009, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
The effect of aggregate and mineral admixtures on the engineering properties of self compacting concrete, Principal Investigator(PI), 2008 - 2010, <i>Postgraduate Research Grant(PPP)</i> , (National)
Seismic hazard assessment of mid-rise RC building, Principal Investigator(PI), 2008 - 2010, <i>Postgraduate Research Grant(PPP)</i> , (National)
SEISMIC ASSESSMENT OF MID-RISE RC BUILDING, , 2008 - 2010, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
POZZOANIC CHARACTERISTICS OF INDUSTRIAL INCINERATOR BOTTOM ASH SLAG, , 2007 - 2008, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
THE USE OF INCENARATOR BOTTOM ASH AS A PARTIALLY REPLACEMENT OF CEMENT RAW MATERIAL, , 2007 - 2008, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
FINITE ELEMENT SIMULATION & PLASTIC LIMIT ANALYSIS OF SUCTION CAISSON ANCHORS, , 2007 - 2008, <i>Postgraduate Research Grant (PPP) - Research</i> , (National)
Finite element simulation and plastic limit analysis of suction caisson anchors, Principal Investigator(PI), 2007 - 2008, <i>Postgraduate Research Grant(PPP)</i> , (National)
Pozzolanic characteristics of industrial incinerator bottom ash slag, Principal Investigator(PI), 2007 - 2008, <i>Postgraduate Research Grant(PPP)</i> , (National)
The use of incinerator bottom ash as partial replacement of cement raw material, Principal Investigator(PI), 2007 - 2008, <i>Postgraduate Research Grant(PPP)</i> , (National)
Utilization of incinerator ash as construction material, Principal Investigator(PI), 2006 - 2010, <i>ScienceFund</i> , (National)
Clay-based mineral admixture for high strength and high performance concrete, Principal Investigator(PI), 1999 - 2003, <i>MOSTI (IRPA)</i> , (National)
The assessment of deteriorated and damage concrete structures using dynamic testing, Principal Investigator(PI), 1995 - 2000, <i>MOSTI (IRPA)</i> , (National)
Durability of local aggregates, Principal Investigator(PI), 1991 - 1995, <i>MOSTI (IRPA)</i> , (National)
The use of locally manufactured steel and timber in structural systems, Principal Investigator(PI), 1991 - 1995, <i>MOSTI (IRPA)</i> , (National)
Long term behaviour and performance of local concrete, Principal Investigator(PI), 1991 - 1995, <i>MOSTI (IRPA)</i> , (National)
Sustainable Construction
Use of Indigenous and Waste Materials for High Performance Concrete
Structural Health Monitoring
Finite Element Modeling of Concrete Structures
Application of Modal Analysis in Civil Engineering Structures

Durability of Building Materials

CONSULTATION PROJECT/CONSULTANCY

(Project title), (Role), (From)-(Until), (Organisation).

Managed and monitored all RMK9 and JTK development projects worth RM400 million on university s main campus and three research stations. In addition implemented maintenance and services contracts with an annual operating budget of RM60 million for the department. Directly responsible for a total of 285 staff comprising of engineers, architects, quantity surveyors, technicians and general workers, 2008-2008, Department of Development and Estate Maintenance (JPPHB)
Compliance test in accordance to BS 5075 for retarding admixture R2R., 1996-1996, Admixture Technology Sdn. Bhd.
Creep and shrinkage test for Plaza Rakyat, 1996-1996, Daewoo Corporation
Performance test on specialist floor coating as part of specification requirements for the construction of the Satellite Building, Package 2 Contract, KL International Airport, Sepang., 1996-1996, Taisei Co. Ltd. / Utamabumi Sdn. Bhd
Laboratory tests on length change characteristics of expansive cement concrete to be used in the construction of pour strips in the forecourt structure, KL International Airport, Sepang., 1996-1996, Kuo Sen Enterprise Sdn. Bhd. / Taisei Co. Ltd.
Laboratory tests to ascertain engineering properties of epoxy EPOJET 818., 1995-1995, Efin (M) Sdn. Bhd
Laboratory tests to ascertain strength characteristics of cement grout., 1994-1994, Sika Kimia Sdn. Bhd
Laboratory tests to assess alkali-silica reactivity of concreting aggregates., 1994-1994, Hume Industries (M) Berhad.
Laboratory shrinkage and creep tests on high strength silica fume concrete (G80) of Kuala Lumpur City Centre, Tower 1, 1994-1994, Mayjaus JV/Hazama Corporation
Appraisal of spillway at Sg. Batu dam, 1994-1994, Jabatan Pengairan dan Saliran, Wilayah Persekutuan/RTB Lembah Sg. Klang
Load testing and structural assessment of Bridge No.2, Site 5, Pembinaan Lintasan Keretapi, Pakej II, 1994-1994, Panzana Enterprise Sdn. Bhd.
Assessment of concrete in-situ strength in bored pile at Site 4, Sg. Chua, Kajang : Pembinaan Lintasan Keretapi., 1993-1993, Ready Mixed Concrete Malaysia Sdn. Bhd.
Structural assessment of roof structure of 11 storey condominium block, Bayu Angkasa, Bangsar, KL., 1993-1993, Ready Mixed Concrete Malaysia Sdn. Bhd
Appraisal of cracked post-tensioned bridge beams at Site 4, Sg. Chua, Kajang : Pembinaan Lintasan Keretapi, 1993-1993, Panzana Enterprise Sdn. Bhd.
Stage II assessment of Catthorpe Interchange bridge on the M1/M6, 1992-1992, Leicestershire County Council, UK
Stage II assessment on Hall Road bridge, Bell Lane and Addington Sandpits subways, M20 Improvement Scheme, 1992-1992, Department of Transport, UK
Stage II assessment on substructure of Chieveley Crossroads bridge, 1992-1992, Berkshire County Council, UK
Investigation and diagnosis of cracks on Sg. Baru Dam, Taman Pertanian Bukit Cerakah, 1991-1991, Jabatan Parit dan Saliran, Selangor.
Design check on Avon end spans of Second Severn crossing viaducts (construction cost 250M), 1991-1991, Second Severn Crossing PLC
Category 2 check to as-built condition on the Telford Way bridge, A49 Trunk Road - Shrewsbury, 1991-1991, Shropshire County Council, UK
Investigation on the effect of quartz mica schist/pyrites in concreting aggregate for consultants/contractor of the Sg. Piah Hydro Electric Project., 1990-1990, RET-SER JV
Comparative tests i.e. strength, workability, temperature-time development, durability, on blended cement for Associated Pan Malaysian Cement., 1990-1990, Associated Pan Malaysian Cement
Diagnosis of concrete deterioration on part of substructure of a bridge for Research and Training Institute, Public Works Department, Bangi., 1988-1988, Public Works Department
Diagnosis of concrete deterioration on structural flooring of a pilot plant producing palm diesel for Palm Oil Research Institute of Malaysia (PORIM), Bangi., 1987-1987, Palm Oil Research Institute of Malaysia

Structural investigation programme on the buildings of the Physics Department, Universiti Malaya, 1987-1987, Universiti Malaya
Instrumentation and monitoring of loads in steel props during free cantilever construction of the box girder deck of the Sungai Perak Bridge, Teluk Intan-Lumut Road., 1987-1987, Hyundai Corporation
Laboratory creep and shrinkage tests on concrete specimens for the Sungai Perak Bridge, Teluk Intan-Lumut Road., 1984-1984, Hyundai Corporation
Instrumenting and monitoring of the spill-through abutment columns of Bridge No. 15 on the M25 interchange, Wisley, UK., 1984-1984, DOE, UK

AWARDS AND RECOGNITIONS

(Name of Award), (Awarding Institution), (Year Awarded), (Level).

Guest Professor, Harbin Institute of Technology. P.R. China, 2012, (International)
Khidmat Setia 30 Award, 2009
Certificate of Excellent Service, University Malaya, 2008, (University)
Certificate of Excellent Service, University Malaya, 2006, (University)
Certificate of Excellent Service, University Malaya, 2005, (University)
Excellence Service Award, University Malaya, 2005, (University)
Certificate of Excellent Service, University Malaya, 2002, (University)
Hitachi Fellowship, Hitachi Scholarship Foundation, 1997, (International)
Hitachi Fellowship, Hitachi Scholarship Foundation, 1997, (International)
Commonwealth Scholarship, Association of Commonwealth Universities, 1982, (International)
Commonwealth Scholarship, Association of Commonwealth Universities, 1982, (International)

PRESENTATIONS

(Title), (Event), (Date Presented), (Organiser), (Level).

INVITED SPEAKER
Seismic Hazard Assessment of School Buildings in Peninsular Malaysia, International Symposium & 2nd AUN/Seed-Net Regional Conference on Geo-Disaster Mitigation in ASEAN, 2010-02-25 to 2010-02-26, JICA-AUN/SEED-Net, (International)
Structural Health Monitoring using Vibration Characteristics , UK-Malaysia-Ireland Engineering Science Conference 2011 (UMIES 2011), 2011-07-12 to 2011-07-14, (International)
Deterioration in concrete structures Case studies in Malaysia , UM-JCI Joint Seminar on Practical Guidelines for Investigation, Repair and Strengthening of Crackked Concrete Structures, 2013-03-13 to 2013-03-14, StruchMRS Research Group, Dept. of Civil Engineering, UM, (International)

EXPERT LINKAGES

(Linkages Description), (Organisation), (Year of Involvement), (Duration), (Level).

MOU - External Associate Supervision, Queensland University of Technology (QUT), Australia, 2014, 12, (International)
Exposure tests on fabric for tensile structures under tropical conditions, Taiyo Kogyo, Japan, 1997, 120, (International)

EXPERT/TECHNICAL CONTRIBUTIONS

(Activity), (Organisation), (Role), (From)-(Until), (Level).

Panel, AET Cluster, Committee Member, 2013-2014, (University)
Panel R,D&C Fund, Ministry of Science, Technology & Innovation (MOSTI), Expert Advisor, 2012-2015, (National)
Re-Inventing Japanese University Project, Kyoto University, Resource Person, 2012-2015, (International)
Seminar on Disaster Prevention and Mitigation, JICA-AUN/SEED-Net, Researcher, 2011-2011, (International)
Panel Member, AET Cluster, Technical Advisor, 2011-2013, (University)
Technical Committee on Collapse of Highland Towers, Public Works Department, Malaysia, Expert Advisor, 1993-1994, (National)

EVALUATION ACTIVITIES

(Description), (Evaluation Activity),(Year).

PhD - Queensland University of Technology (QUT), Australia (November 2014), Thesis , ()
PhD - Universiti Teknologi Malaysia (UTM), Malaysia (January 2015), Thesis , ()
Construction and Building Materials, Article In Journal , (2014)
MAPIM 2011 Award, Book , (2012 - 2012)
UNIMAS Promotion Exercise for Professor (VK7 Grade), Book , (2007)
UiTM Promotion Exercise for Associate Professor (DM54 Grade), Book , (2006)

SUPERVISION**POST GRADUATE STUDENT**

(Name of Degree), (Name of Candidates), (Title of Thesis), (Academic Session)

Completed
Doctoral Degree (phd), Seyed Hossein Mahdavi, Structural Health Monitoring using Adaptive Wavelet Functions, 2015/2016
Doctoral Degree (phd), Seyed Jamalaldin Seyed Hakim, Artificial Neural Networks and Adaptive Neuro-Fuzzy Inference Systems for structural damage identification using vibration data, 2014/2015
Doctoral Degree (phd), Omar Riyadh Khaleel, The effect of aggregate and mineral admixtures on engineering properties of high strength self compacting concrete, 2012/2013
Masters Degree, Md. Alhaz Uddin, Nonlinear response prediction of spar platform using Artificial Neural Network, 2012/2013
Doctoral Degree (phd), Moatasem Mohammed Fayyadh, Structural assessment of damaged and CFRP repaired reinforced concrete beams from experimental modal analysis, 2011/2012
Doctoral Degree (phd), Fathollah Sajedi, Influence of activation methods on strength of ordinary Portland cement-slag mortars, 2010/2011
Masters Degree, Tan Kok Tong, Seismic fragility curves of reinforced concrete school building in Peninsular Malaysia, 2010/2011
Doctoral Degree (phd), Sivakumar Naganathan, Engineering and leaching properties of controlled low-strength material using industrial waste incinerator bottom ash and quarry dust, 2009/2010
Masters Degree, Hooman Monajemi, Finite element simulation and plastic limit analysis of suction caisson anchors, 2008/2009
Masters Degree, Noorli Ismail, Damage Detection in Corroded Reinforced Concrete Beams using Finite Element Modelling, 2007/2008
Doctoral Degree (phd), Zubaidah Ismail, Damage detection of simply supported reinforced concrete beams using modal testing, 2005/2006
Masters Degree, Ng Kean Seng, Lightweight clay bricks utilizing expanded polystyrene spheres (EPS), 2005/2006
Masters Degree, Wong Kee Lou, Effect of boundary conditions on damage detection, 2004/2005

Masters Degree, Teuku Ferdiansyah, Engineering properties of palm (Ijuk) fibre concrete, 2004/2005
Masters Degree, Pan Wang Fook, Engineering properties and durability of superplasticised metakaolin concrete with diff. w/b ratios, 2003/2004
Masters Degree, Chai Hwa Kian, Metakaolin as a pozzolan in enhancing the durability characteristics of concrete subjected to different curing regime, 2002/2003
Masters Degree, Wong Hong Seong, A comparative assessment of calcined local kaolin and silica fume as a pozzolanic micro-filler for high-performance concrete, 2001/2002
Masters Degree, Isam Shakir Khezal, The effect of honeycombing on modal response of RC beams, 2001/2002
Masters Degree, Choi Fook Choon, Characterisation of RC beams subjected to reinforcement corrosion using modal parameters, 2000/2001
Masters Degree, Ahmad Kamal Mahde, A chemical cellulation technique for lightweight clay bricks, 2000/2001

Ongoing

Doctoral Degree (phd), Soroosh Abbas, Concrete Materials, 2015/2016
Masters Degree, Muhamad Farid Bin Mohd Nordin, Concrete Materials, 2015/2016
Doctoral Degree (phd), Haider Hamad Ghyayeb Alqaicy, Structural Engineering, 2014/2015
Masters Degree, Sayidal El Fatimah, Structural Engineering, 2014/2015
Doctoral Degree (phd), Nur Hotimah Yusof, Structural Engineering, 2013/2014
Doctoral Degree (phd), Fuad Y. M. Abutaha, Concrete Materials, 2013/2014
Doctoral Degree (phd), Ibrahim Hussein Adebayo, Concrete Materials, 2013/2014
Doctoral Degree (phd), Mohammad Razaul Karim, Concrete Materials, 2013/2014
Doctoral Degree (phd), Zhi Xin Tan, Structural Engineering (Queensland University of Technology, Australia), 2013/2014
Doctoral Degree (phd), Meisam Gordan, Structural Engineering, 2013/2014
Doctoral Degree (phd), Masimawati Bt Abdul Latif, Concrete Materials (Universiti Tenaga Nasional), 2011/2012
Doctoral Degree (phd), Jegathish A/I Kanadasan, Concrete Materials, 2011/2012
Doctoral Degree (phd), Tan Kok Tong, Structural Engineering, 2010/2011
Doctoral Degree (phd), Muna H Gheryani, Structural Engineering, 2009/2010
Doctoral Degree (phd), Hooman Monajemi, Structural Engineering, 2009/2010

TEACHING

(Course Title), (Academic Session), (No of Student), (No of Contact Hours).

POST GRADUATE

Construction Materials, 1993/1994, 15, 25
Advanced Structural Design, 1993/1994, 15, 15
Advanced & Design of Special Structures, 1993/1994, 15, 25
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FIRST DEGREE

THINKING AND COMMUNICATION SKILLS, 2015/2016, 9, 20
CONCRETE ENGINEERING AND TECHNOLOGY, 2015/2016, 12, 27
PRESTRESSED CONCRETE DESIGN, 2014/2015, 38, 39
CONCRETE ENGINEERING AND TECHNOLOGY, 2014/2015, 8, 27
CIVIL ENGINEERING DESIGN, 1999/2000, 85, 45
CONCRETE ENGINEERING & TECHNOLOGY, 1999/2000, 60, 30
Reinforced Concrete Design II, 1999/2000, 85, 25
CONCRETE MATERIALS, 1999/2000, 180, 100
Reinforced Concrete Design II, 1998/1999, 80, 25
Civil Engineering Materials, 1998/1999, 100, 45
CONCRETE ENGINEERING & TECHNOLOGY, 1998/1999, 100, 30
Civil Engineering Design, 1998/1999, 90, 45
Civil Engineering Materials, 1993/1994, 180, 25
Strength of Materials, 1981/1982, 200, 50
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