

CURRICULUM VITAE

A. PERSONAL DETAILS

Name : Dr. Nadiah Saari
Position : Senior Lecturer
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B. ACADEMIC QUALIFICATION

1. Ph.D in Structural Engineering (2020), Imperial College London, United Kingdom
2. MSc. General Structural Engineering (2004), Imperial College London, United Kingdom
3. Diploma in Civil Engineering (2004), Imperial College London, United Kingdom
4. BEng. (Hons.) (Civil) (2002), Universiti Teknologi MARA, Malaysia
5. Diploma in Civil Engineering (1999), Universiti Teknologi MARA, Malaysia

C. EMPLOYMENT HISTORY

1. Senior Lecturer, UiTM (2017 – current)
2. Lecturer, UiTM (2004 – 2016)
3. Lecturer, UiTM (2002 – 2003)

D. LIST OF TAUGHT SUBJECTS (DIPLOMA & DEGREE)

DEGREE	DIPLOMA
1. Reinforced Concrete Design	1. Civil Engineering Design Project
2. Structural Steel Design	2. Solid Mechanics / Basic Solid Mechanics
3. Numerical Analysis & Finite Element Method	3. Mechanics of Structures
4. Indeterminate Structures	4. Introduction of Civil Engineering
5. Structural Analysis	5. Structural Analysis
6. Advanced Steel Design	
7. Basic Solid Mechanics	

E. FINAL YEAR PROJECT SUPERVISIONS

DEGREE

Name	Title	Year
1. Nur Syafina Azman (2018287608)	Rice hush ash (RHA) as a cement replacement in concrete – A review	2021
2. Mohd Iskandar Muhala (2012253764)	Static behaviour of beam-column connection using double web angle subjected to elevated temperature	2015
3. Nurul Syuhada Tongking (2012810048)	Static behaviour of beam-column connection using flange cleats subjected to elevated temperature	2015
4. Abdul Asyraf Abdul Aziz (2012641892)	Static behaviour of beam-column connection at elevated temperature using flush end plate	2014
5. Mohammad Ridhwan Zulkafli (2010676724)	Nonlinear behaviour of Y-shaped cold-formed steel section in isolation subjected to elevated temperature	2014

6. Mohd Shafiq Ramlan (2010836046)	The static behaviour of light cold-formed truss in isolation subjected to elevated temperature	2014
7. Amalina Mohd Afdzaluddin (2011490582)	The collapse of double-storey house structure at elevated temperature	2013
8. Mohd Faiz Zakaria (2011251862)	The collapse of multi-storey building structure under elevated temperature	2013
9. Nur Fatin Atikah Mohd Hassim (2011822924)	The collapse of factory building structure under elevated temperature	2013
10. Hazem Mahmood Yaseen Al-Husaini (2009825532)	Static behaviour of beam-column connection in fire	2013
11. Siti Fazlisa Mohd Rohali (2009271886)	The static behaviour of cold-formed truss in isolation subjected to elevated temperature	2013
12. Mohd Ekhsan Ghazali (2009203178)	Static behaviour of T-shaped cold-formed truss in isolation	2013
13. Ahmad Nasri Abdul Rahim (2010641226)	Static behaviour of C-section cold-formed steel truss in isolation	2012
14. Mohd Effy Nashrul Mohtadza (2010404108)	Seismic Design and Cost Analysis of Residential Structure Using Shear Wall Resisting System	2012
15. Muhammad Nur Shafiq Mohammed (2010629838)	Development of MATLAB code as a replacement for manual seismic loading calculation	2012
16. Efa Yuslin Hussine	Assessment of bolted connection for aluminium and steel members	2007
17. Zuratna Dewi Said (2004362441)	Nonlinear finite element analysis of negative rail seat condition of prestressed concrete sleepers	2007
18. Narhana Mohd Suan (2004348140)	Nonlinear finite element analysis of positive rail seat condition of prestressed concrete sleepers	2007

F. SERVICES TO SCHOOL/UNIVERSITY

UiTM SHAH ALAM (MAR 2021 – current)

1. Academic Advisor
2. Evaluation Panel, Final Year Project Presentation (ECC577 & ECC588)
3. Chairperson, Jawatankuasa Self-Review/Assessment Report (SRR/SAR) (2021 – 2023)
4. Committee Member, Jawatankuasa Kelulusan dan Akreditasi EAC (2021 – 2023)
5. Committee Member, Jawatankuasa Kecil Penyelidikan & Inovasi (2021 – 2023)

UiTM CAW. JOHOR (FEB 2015 – FEB 2021)

1. Academic Advisor
2. Evaluation Panel, Final Year Project Presentation (ECS356/ECS358)
3. Evaluation Panel, Final Year Project Presentation (ECC577) (Sem. Oct 20-Feb 21)
4. Proposal Reviewer, Geran Penyelidikan Bestari Sepadanan (2020 – 2021)
5. Editor, Jawatankuasa Dokumen Self-Assessment Report (SAR) – ETAC (2018 – 2020)
6. Committee Member, Pro-PENS UiTM Pasir Gudang (2018 – 2019)
7. Special Duty Bureau, PEWANI UiTM Caw. Johor (2018 – 2019)
8. Auditor, Jawatankuasa Audit Dalaman Fakulti Kej. Awam (2015 – 2016 & 2018 – 2019)
9. Committee Member, Unit Penulisan dan Penerbitan UiTM Pasir Gudang (2018)
10. Secretary, Jawatankuasa Projek Sistem Kehadiran Pelajar Ke Kuliah UiTM Pasir Gudang (2018)
11. Course Coordinator ECS226/238 (2017 – 2018)
12. Evaluation Panel, Final Year Project Presentation (ECM367) (Sem. Mar-Jul 2018)
13. Evaluation Panel, Entrepreneurship Project Presentation (ENT300) (2015 – 2019)
14. Internal Vetter, Bengkel Penyediaan Kertas Soalan Peperiksaan (PKSP) 18 (2017)
15. Course Coordinator ECS338 (2016 – 2017)
16. Evaluation Panel, Civil Engineering Project Presentation (ECM157) (Sem. Dec 16-Mar 17)
17. Vetter, Bengkel Pra-Penyediaan Kertas Soalan Peperiksaan (PKSP) (2015 – 2017)
18. Evaluation Panel, Final Project Presentation (ECS316) (2015 – 2016)
19. Curriculum Reviewer – Basic Solid Mechanics, Fac. of Civil Engineering (2016)

20. Course Coordinator ECS238 (Sem. Dec 15-Apr 16)
21. Committee Member, Jawatankuasa Dokumen Kualiti FKA (2015 - 2016)
22. Course Coordinator ECS228 (Sem. Jun-Oct 2015)
23. Committee Member, Jawatankuasa Bengkel Penyediaan Kertas Soalan Peperiksaan (PKSP) 15 (2015)
24. Moderator, Buddy System Programme 2015
25. Second Examiner, Rayuan Semak Semula Kertas Peperiksaan Pelajar, 2015
26. Second Examiner, Programme EC110 (Sem. Dec 14-Mar 15)
27. Examiner, Student Industrial Training (Sem. Dec 14-Mar 15)

UiTM SHAH ALAM (OCT 2004 – JAN 2015)

1. Academic Advisor
2. Evaluation Panel, Final Year Project Presentation
3. Member, RIG Struktur dan Bahan Binaan Inovasi Institut Kejuruteraan Infrastruktur dan Pengurusan Mampan (IIESM) (2012 – 2014)
4. UiTM Rep., Malaysian Structural Steel Association (MSSA) Education Committee (2012 – 2014)
5. Auditor, Institut Kejuruteraan Infrastruktur dan Pengurusan Mampan (IIESM) (2013 – 2014)
6. Setter & Examiner, Supplementary Exam Paper (2012 – 2014)
7. Second Examiner, EC220 Programme, 2014
8. Course Coordinator ECS571/508 (2013 – 2014)
9. Ad-Hoc Committee Member for EAC, 2013
10. Committee Member, Jawatankuasa Penerbitan Jurnal Sustainability and Engineering (2012 - 2013)
11. Course Owner (RP) ECS508 (2012 – 2013)
12. Course Coordinator ECS508 (2012 – 2013)
13. Examiner, Student Industrial Training (2012 – 2013)
14. Committee Member, Jawatankuasa Sambutan dan Protokol Bulan Inovasi FKA 2012
15. Committee Member, Jawatankuasa Jadual Waktu (2006 – 2008)
16. Committee Member, Jawatankuasa Akreditasi (2005 – 2008)
17. Auditor, Jawatankuasa Audit Dalaman (2005 – 2008)
18. Facilitator, Program Pembangunan & Kepimpinan Pelajar UiTM, 2007

19. Committee Member, Semakan Semula Keberkesanan Projek Pelajar Tahun Akhir, 2007
20. Jawatankuasa ISO 9001:2000 – Pemegang Prosedur (Jan-Ogos 2005)

G. OTHER SERVICES/ACTIVITIES

1. Jury, 3rd Digitalised International Invention, Innovation & Design Johor (DIIID) 2020
2. Jury, Final Year Project & Postgraduate Poster Competition (FYPPPC) Series 2, MNMF Network, 2020
3. Paper Reviewer, 5th International Conference on Sustainable Civil Engineering Structures and Construction Materials (SCESCM) 2020
4. Speaker, Training of Trainers for ECS358, Fac. of Civil Eng. UiTM Pasir Gudang, 2020
5. Course Developer (Leader), Massive Open Online Course (MOOC) for ECS226, UiTM Pasir Gudang, 2020
6. Course Developer (Member), Massive Open Online Course (MOOC) for ECS358, UiTM Pasir Gudang, 2020
7. Course Developer (Member), Massive Open Online Course (MOOC) for ECS338, UiTM Pasir Gudang, 2017
8. Participant, Mini Konvensyen KIK UiTM Caw. Johor 2018
9. Participant, Malacca International Intellectual Exposition (MIIEEX) 2017
10. Students' Advisor, National Eco Construction Competition (NECO), 2017
11. Organiser, Bengkel Hands-On Spreadsheet Excel untuk Rekod Kehadiran Pelajar, Borang Pengesahan Lisan & Laporan Tidak Hadir Kuliah, Fac. of Civil Eng. UiTM Pasir Gudang, 2017
12. Academic Consultant, Misi Akademik ke-8 UiTM Pasir Gudang, 2015
13. Participant, Invention, Innovation & Design (IID) Negeri Sembilan 2015
14. Member, Jawatankuasa Invention, Innovation & Design (IID) Johor 2015
15. MSSA Rep., IEM WG1 EC3-Part 1-8: Design of Joints Committee, 2014
16. MSSA Rep., Technical Committee Steel for Structural Purposes, 2013
17. Students' Advisor, MSSA Open Ideas Competition 2013
18. Students' Advisor, Pertandingan Model Jambatan Antarabangsa UTM Bridge, 2012
19. Students' Advisor, MSSA High Rise Tower Design Competition 2012
20. Organiser, Presentation & Demonstration of Tekla Structures Software, 2012
21. Master of Ceremony, 16th Southeast Asian Geotechnical Conference and Exhibition 2007

22. Committee Member, International Conference and Exhibition on Tunnelling and Trenchless Technology 2006
23. Committee Member, Jawatankuasa Majlis Makan Malam Alumni FKA UiTM, 2006
24. Master of Ceremony, Seminar on Selected Malaysian Heritage Issues 2006
25. Committee Member, International Conference on Concrete Engineering and Technology (CONCET) 2006
26. Organiser with IEM, Short Talk on An Introduction to EC3 and Structural Stainless Steel Design, 2006
27. Committee Member, UiTM – KAIST Symposium in Civil Engineering 2006
28. Committee Member, Jawatankuasa Khas Royal Alumni Home Coming, 2006
29. Chairperson, Jawatankuasa Bengkel Penulisan Akademik untuk Prosiding dan Jurnal, 2005
30. Chairperson, Jawatankuasa Kursus Pensyarah Baru FKA, 2005
31. Committee Member, Jawatankuasa Adhoc Pengemaskinian Brosur, Kolokium dan Aktiviti Promosi Program Siswazah, 2005

H. PROFESSIONAL AFFILIATIONS

1. Board of Engineers Malaysia
2. The Institution of Engineers, Malaysia

I. AREAS OF RESEARCH

Structural & Fire Engineering, Materials, Numerical Modeling & Analysis

J. PUBLICATIONS

1. Siong Wee Lee, Nadiah Saari, Nor Mayuze Mohamad, Siti Shahidah Sharipudin, Nurharniza Abdul Rahman, 2021. Mechanical properties and durability of green engineered cementitious composites (ECC) – A review. 1st International Conference on Thermofluids, Sustainable Energy & Environment (ICTSEE) 2021.
2. Siong Wee Lee, Mohd Raizamzamani Md Zain, Chai Lian Oh, Nadiah Saari, Norrul Azmi Yahya, 2021. Flexural behaviour of engineered cementitious composites containing

moderate volume fraction of polyvinyl alcohol fibres. 1st International Conference on Thermofluids, Sustainable Energy & Environment (ICTSEE) 2021.

3. Hafizuddin Zakare, Anizahyati Alisibramulisi, Mohd Norhasri Muhd Sidek, Aidan Newman, Nadiah Saari, Suraya Hani Adnan, Norshariza Mohd Bhkari, 2020. The effect of palm oil fuel ash (POFA) and steel fibre addition to the mechanical properties of Ultra High Performance Concrete (UHPC), 5th International Conference on Sustainable Civil Engineering Structures and Construction Materials (SCESCM) 2020.
4. Siong Wee Lee, Mohd Raizamzamani Md Zain, Chai Lian Oh, Norrul Azmi Yahya, Nadiah Saari, 2020. Flexural strength and ductility of green engineered cementitious composites containing high volumes of fly ash, 5th International Conference on Sustainable Civil Engineering Structures and Construction Materials (SCESCM) 2020.
5. Xiang Yun, Nadiah Saari, Leroy Gardner, 2020. Behaviour and design of eccentrically loaded hot-rolled steel SHS and RHS stub columns at elevated temperatures. *Thin-Walled Structures*, 149.
6. S.W. Lee, R. Hassan, N. Saari, N.M. Mohamad, N.I. Mat Noor, 2019. Flexural behaviour of RC beams with steel and polypropylene fibres. Int. Conference on Nanomaterials: Science, Engineering and Technology (ICoNSET) 2019.
7. T.K. Sharma, N. Saari, L. Gardner, 2011. Deformation based design of steel structures in fire, 7th Int. Conference on Steel and Aluminium Structures (ICSAS) 2011.
8. L. Gardner, N. Saari, F. Wang, 2010. Comparative experimental study of hot-rolled and cold-formed rectangular hollow sections. *Thin-Walled Structures*, 48(7), pp. 495-507.
9. N. Saari, 2010. A deformation-based design approach for structural steel at elevated temperatures. UK-MALAYSIA Engineering Conference (UK-MEC) 2010.
10. N. Saari, L. Gardner, 2008. Experimental investigation into the structural response of hot-rolled and cold-formed tubular sections. UK-MALAYSIA Engineering Conference (UK-MEC) 2008.
11. L. Gardner, N. Saari, 2008. Structural behaviour of hot-rolled and cold-formed steel hollow sections. Eurosteel Conference 2008.
12. S.H. Hamzah, C.B. Yong, N. Saari, M.S. Marwi, 2007. The effect of butt joint on the structural behaviour of PSSDB wall panel. *Jurnal SRJ RMI*, UiTM.
13. S.H. Hamzah, N. Saari, A.H. Hamzah, M.S. Marwi, 2005. *Understanding Reinforced Concrete Through Experiment*. UPENA, UiTM.
14. S.H. Hamzah, C.B. Yong, N. Saari, M.S. Marwi, 2004. The effect of butt joint on the structural behaviour of PSSDB wall panel. Conference on Scientific and Social Research (CSSR) 2004.

K. RESEARCH GRANTS

RESEARCH TITLE / ROLE	PERIOD / STATUS	GRANT TYPE	AMOUNT (RM)
Tensile ductility and shear behaviour of green engineered cementitious composites / MEMBER	1.1.2021 – 31.12.2022 / On going	BESTARI	20000
Behaviour of engineered cementitious composite beams under bending actions / MEMBER	1.5.2020 – 30.4.2021 / Completed	BESTARI	2000
Compression & Flexural Performance of Structural Fibrous RC Beam / LEADER	1.5.2018 – 30.4.2019 / Completed	BESTARI	1000
Splitting tension modelling of fibrous matrix slim beam / MEMBER	1.1.2019 – 31.3.2022 / On going	FRGS	76000
Development of student attendance using fingerprint identification method / LEADER	1.9.2016 – 31.8.2018 / Completed	ARAS	10000
Static behaviour of steel beam-to-column connection under elevated temperatures / LEADER	3.1.2016 – 31.12.2016 / Completed	UJRG	500
PSSDB load bearing wall with window opening – effect of butt joint in dryboard / MEMBER	2002 / Completed	Geran Biro Penyelidikan & Perundingan UiTM	20000

L. CONSULTANCY WORK

1. Specialist Engineering Consultancy Services for Giant (Kinrara) Roof Truss Project, GCH Retail (Malaysia) Sdn. Bhd., 2006