

## CURCULUM VITAE



### A. **PERSONAL DETAILS**

1. Name : Dr. Hazrina Mansor
2. Date of Birth : 18-10-1983
3. Sex : Female
4. Office Address : Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia
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<https://scholar.google.com/citations?user=FjJeR6AAAAAJ&hl=en>



<http://prisma.uitm.edu.my/prisma/?doit=pubRec>

### B. **BRIEF PERSONAL HISTORY**

Hazrina obtained her diploma and Bachelor's degree in Civil Engineering from Universiti Teknologi MARA (UiTM), Malaysia in 2004 and 2007 respectively. In 2008, she received a Master's degree in Bridge Engineering from University of Surrey, United Kingdom. Subsequently, she obtained a PhD in Structural Engineering from the same institution. She has been serving UiTM since September 2015 as a senior lecturer at the Faculty of Civil Engineering. Her research interest includes steel structures, tall Building, finite element method, progressive collapse and bamboo structures.

C. **ACADEMIC QUALIFICATION**

No.	Name of Institution	Degree/Qualification	Date awarded
1.	University of Surrey, United Kingdom	PhD in Structural Engineering	2015
2.	University of Surrey, United Kingdom	MSc in Bridge Engineering	2008
3.	Universiti Teknologi MARA, Malaysia	Bachelor of Engineering (Hons.) Civil	2007
4.	Universiti Teknologi MARA, Malaysia	Diploma in Civil Engineering	2004

D. **WORKING EXPERIENCE**

1.	2015-Present	Senior lecturer, Faculty of Civil Engineering in Universiti Teknologi MARA (UiTM) - Teaching structural engineering subjects such as determinate structures, statics and dynamics, reinforced concrete design to EC2 and advanced steel design to EC3 and supervising final year project students
2.	2018	Coordinator Audit and Accreditation, Faculty of Civil Engineering, UiTM Shah Alam.  Guess Judge for 'International Roof Truss Design Competition 'Polynesian Truss For Cultural And Educational Development Center 7 <sup>th</sup> Civil in Action'  Fasilitator Science, Technology, English and Mathematic (STEM) for Faculty of Civil Engineering program
2.	2017	Guest Lecturer at Department of Civil and Environmental Engineering, Universitas Gadjah Mada, Yogyakarta, Indonesia.  Invited speaker for a short course in steel bridge design to EC3 and the attended participants were from Malaysian Public Works Department, Malaysia  Contigent Leader of Faculty of Civil Engineering on Invention, Innovative and Design Exposition -2017(IiDEX 2017)  Certified Moderator of Holistic Success Module (HSM) Teaching Program  Fasilitator of Programme KACA, Faculty of Civil

		<p>Engineering</p> <p>Coordinator of UTMBridge Competition – 2017</p> <p>Coordinator of Open Idea Competition (OIC), Theme (YouDo) - 2017</p> <p>Technical Committee of National Timber Design Competition (NTDC,2017) -2017</p> <p>Representative of Faculty of Civil Engineering on National Innovation and Creative Economy (Nice) 2017</p>
3.	2016	<p>Coordinator of Open Idea Competition (OIC), Theme (Iconic steel structure) - 2016</p> <p>Assistance Secretary of 13th International Conference on Concrete Engineering and Technology (CONCET), 2016</p>
4.	2015	<p>Coordinator of Open Idea Competition (OIC), Theme (Student Hostel) – 2015</p>
5.	2011-2012	<p>Teaching Assistant - University of Surrey, UK</p>
6.	2009	<p>Design Engineer, OMK Jurutera Perunding Sdn Bhd - Involved in the design team for designing Jambatan Kedua Permas Jaya, Johor Bahru</p>

**E. PROFESSIONAL QUALIFICATIONS**

1. Member, Malaysian Structural Steel Association (MSSA) - Since 2016
2. Graduate Engineer, Board of Engineers Malaysia (BEM) - Since 2009
3. Graduate Member, The Institution of Engineers Malaysia (IEM) - Since 2009

**F. AREA OF RESEARCH**

Area of expertise:

Collapsed of Steel Frame Structure, Steel Frame Connection, Progressive Collapse Analysis, Finite Element Simulation, Structural bridges and Tall Building

Research Interest:

Progressive Collapse of Steel Structure, Analysis of Structural Bridges, Finite Element Analysis, Structural Collapsed Case Studies, Green Structure (Bamboo), Modular steel structure.

Current On-going research:

1. Sustainable modular bamboo chalet
2. Simplified Energy based method for progressive collapse
3. Modular steel structure

G. **PHD THESIS**

Progressive Collapse of Steel Frame Structure (2014)

H. **RESEARCH GRANTS**

1. Geran Iniatif Penyelia (GIP): Simplified Energy Based For Progressive Collapse Analysis (**Principal researcher**) RM20,000 (2018-2019).
2. FRGS: Model and Mechanism of soft truss member, RM80500 (**Member**) (2019-2021)
3. LESTARI: Behaviour of Space Trusses Incorporating Novel Soft Members (**Member**) RM20,000 (2016-2018).
4. LESTARI: Development of Quantitative Algorithm in Determining Location of Column for Removal in Performing Alternate Load Path Analysis Method. (**Principal researcher**) RM20,000 (2016-2018).
5. LESTARI: Localized Bearing Capacity of Rapid Setting Concrete for Bridge Pedestal RM20,000 (**Member**) (2017-2019).

I. **PUBLICATION**

1. **Mansor, H.**, Disney, P. and Parke, G. A. R., "Evaluation on Progressive Collapse" Analysis using Beam and Shell Elements", International Association for Bridge and Strucural Engineering (IABSE) and International Association for Shell and Spatial Strucures, September 2011. Buckling Analysis of Three Circular Tubes. International Journal of Engineering & Technology, 8, 268–273.
2. Ezzaryn, N., Subki, A., **Mansor, H.**, Hamid, Y. S., & Parke, G. (2019). Progressive Collapse Assessment : A review of the current energy-based Alternate Load Path ( ALP ) method. In MATEC Web of Conferences (Vol. 2012, pp. 1–11).
3. **Mansor, H.**, Hamid, Y. S., Suliman, N. H., Ahmad, N., & Hamzah, N. (2019). Evacuation egress in high rise building : Review of the current design evacuation solution. In MATEC Web of Conferences (Vol. 3012).
4. **Mansor, H.**, Wahab, N. M. A. A., Hamid, Y. S., & Kamarudin, M. K. (2019). A mockup unit of the an-eco budget bamboo chalet : design and cost estimation analysis. In MATEC Web of Conferences (Vol. 10).

5. Najmudin, N. S., Hamid, Y. S., Parke, G., & **Mansor, H.** (2019). Mansor, H., Disney, P. and Parke, G. A. R., "Performance criterion for selecting column to be removed in Alternate Load Path (ALP) analysis for progressive collapse assessment" GLOBAL CIVIL ENGINEERING CONFERENCE (GCEC2017).
6. FM Nazri, MKA Zolkifle, **H Mansor**, S Shahidan, "Vulnerability Assessment of Building Frames Subjected to Progressive Collapse Caused by Earthquake", International Symposium on Civil and Environmental Engineering 2016 (ISCEE 2016)