

CURCULUM VITAE



A. PERSONAL DETAILS

1. Name : Ts. Dr. Yazmin Sahol Hamid
2. Date of Birth : 19-03-1983
3. Sex : Female
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https://scholar.google.com/citations?user=20_9kr0AAAAJ&hl=en



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

B. BRIEF PERSONAL HISTORY

Yazmin Sahol Hamid 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, space trusses, 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.	2017	Guest Lecturer at Department of Civil Engineering, School of Infrastructure, B. S. Abdur Rahman Institute of Science and Technology, Chennai, India.
3.	2017, 2018, 2019	Invited speaker for a short course in steel bridge design to EC3 and the attended participants were from Malaysian Public Works Department, Malaysia
4.	2017	Working Group (WG) for Tubular and Prefabricated Scaffolding for SIRIM STS Sdn Bhd
5.	2011-2012	Teaching Assistant - University of Surrey, UK
6.	2009	Design Engineer, OMK Jurutera Perunding Sdn Bhd - Involved in the design team for designing Jambatan Kedua Permas Jaya, Johor Bahru
7.	2006-2007	Led in consultancy work for tensile and bending test of lintel specimens for Tuck Hua Metals Sdn Bhd
8.	2004	Trainee - SABA Consult Sdn Bhd Shah Alam, Malaysia

E. **PROFESSIONAL QUALIFICATIONS**

1. Professional Technologist, Malaysia Board of Technologists (MBOT) - Since 2018
2. Member (MIET), The Institution of Engineering and Technology (IET) - Since 2018
3. Member, Malaysian Structural Steel Association (MSSA) - Since 2016
4. Graduate Engineer, Board of Engineers Malaysia (BEM) - Since 2009

5. Graduate Member, The Institution of Engineers Malaysia (IEM) - Since 2009

F. **AREA OF RESEARCH**

Steel structures, space trusses, finite element method, progressive collapse and bamboo structures

G. **PHD THESIS**

Progressive Collapse of Double Layer Space Trusses (2015)

H. **RESEARCH GRANTS**

1. LESTARI: Behaviour of Space Trusses Incorporating Novel Soft Members (Principal researcher) RM20,000 (2016-2018).
2. LESTARI: Development of Quantitative Algorithm in Determining Location of Column for Removal in Performing Alternate Load Path Analysis Method. (Member) RM20,000 (2016-2018).
3. LESTARI: Localized Bearing Capacity of Rapid Setting Concrete for Bridge Pedestal RM20,000 (Member) (2017-2019).
4. LESTARI: Shear Strengthening of Precracked FRP Reinforced Concretebeams using Bi-Directional CFRP Strips Subjected to Reversed Cyclic Load Part 3 (Member) RM60,000 (2013-2017).
5. FRGS: Models and Mechanisms of Progressive Collapse of Space Trusses with Soft Members (Member) RM80,500 (2019-2021).
6. FRGS- RACER: Tensile Catenary Action Mechanism and Model for Rotational Strain Energy of a Double-Span Beam Under a Column-Removed State. (Member) RM51,200 (2019-2021)
7. FRGS-RACER: Residual Strains On Self-Centering Quasi-Brittle with Shape Memory Alloy (Principal Investigator) RM51, 200 (2019-2021)

I. **PUBLICATION**

1. **Yazmin SAHOL HAMID**, Peter DISNEY, Gerard A.R. PARKE 2011, 'Progressive Collapse of Double- Layer Space Trusses', *35th Annual Symposium of IABSE, 52nd Annual Symposium of IASS, 6th International Conference on Space Structures, London, UK*, International Database and Gallery of Structures.

2. **Yazmin SAHOL HAMID**, Gerard A.R. PARKE 2017, 'Glass Footbridge', *Proceedings of the 1st Global Civil Engineering Conference, Kuala Lumpur, Malaysia*, Springer Lecture Notes in Civil Engineering, ISBN 978-981-10-8016-6.
3. 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).
4. **Hamid, Y. S.**, Parke, G., Farzana, N., & Mahdi, M. (2019). Novel soft members in double-layer space trusses. In MATEC Web of Conferences (Vol. 9, pp. 1–7).
5. 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).
6. 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).
7. Najmudin, N. S., **Hamid, Y. S.**, Parke, G., & Mansor, H. (2019). Buckling Analysis of Three Circular Tubes. *International Journal of Engineering & Technology*, 8, 268–273.

J. **CONSULTANCY**

1. Client: Tuck Hua Metal Works Sdn. Bhd.
Year: 2016-2017
Work Scope: Tensile Test
Tension Test results provide information on the strength and ductility of sample under uniaxial tensile load. A series of 3 lintel test samples were prepared to investigate behavior of the samples under increasing applied load. The objective of this work is to determine the load versus elongation curves for the sample provided in order to calculate for the samples:
 - a) Tensile strength
 - b) Percentage elongation (indication of ductility)

Each test sample were conducted in accordance to ASTM E8 (Standard test method, for tension testing of metallic materials) in order to determine its yield stress and Yong's Modulus. Yield stress was taken at 0.2% of the proof stress. The tensile test was done using Instron testing machine at the Concrete Laboratory, Faculty of Civil Engineering, niversiti Teknologi MARA.

2. Client: Tuck Hua Metal Works Sdn. Bhd.
Year: 2016-2017
Work Scope: Four Point Bending Test

Four point bending flexural test provides graph of load versus displacement response of a specimen. The test method involves lintel specimens tested on a Universal Testing Machine (UTM). The objective of this work is to produce graph of load versus deflection of each specimen and to determine the allowable load corresponding to the deflection limit for each specimen. A series of there lintel specimens were prepared to investigate the behavior under increasing applied load. The bending test conducted is in accordance with ASTM C1623- 11 and ASTM D70 using Universal Testing Machine.