



CURRICULUM VITAE

Oh Chai Lian



SEPTEMBER, 2022

School of Civil Engineering, College of Engineering
Universiti Teknologi MARA, SHAH ALAM

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CURRICULUM VITAE



SECTION 1: PERSONAL DETAILS

1.1 General Information

1. Name : Oh Chai Lian
2. Date of Birth : 14-08-1980
3. Hometown : Kuching, Sarawak
4. Gender : Female
5. Office Address : School of Civil Engineering, College of Engineering
Universiti Teknologi MARA, 40450 Shah Alam,
Selangor, Malaysia
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9. ORCID ID: 0000-0002-9474-8276
10. MyRID : 2020-0717-0000
11. WOS ID: AAU-1136-2020
12. Google Scholar:
<https://scholar.google.com/citations?user=IT0cG54AAAAJ&hl=en>
13. ResearchGate: <https://www.researchgate.net/profile/Oh-Chai-Lian-3>

1.2 Academic Qualification

No.	Name of Institution (Malaysia)	Degree/Qualification	Date awarded
1.	School of Civil Engineering, Universiti Sains Malaysia, Engineering Campus, Nibong Tebal, Penang	PhD in Structures	2017
2.	Faculty of Civil Engineering, Universiti Teknologi Malaysia, Skudai, Johor	Master of Engineering (Civil & Structure)	2005
3.	Faculty of Civil Engineering, Universiti Teknologi Malaysia, Skudai, Johor	Bachelor of Civil Engineering	2003

1.3 Career History

No.	Name of Institution	Degree/Qualification
1.	2021-Current	Panel of Evaluator , Engineering Technology Accreditation Council
2.	2018-Current	Professional Technologist , Malaysia Board of Technologist (PT18010027)

3.	2020-Current	Head Panel of Evaluator , Engineering Accreditation Council
4.	2018-Current	Panel of Evaluator , Engineering Accreditation Council (REF: BEM/ACC/04 Jld11)
5.	2012-Current	Professional Engineer with Practising Certificate , Board of Engineer Malaysia, (C115400)
6.	2014-Current	Senior Lecturer , Universiti Teknologi MARA, Shah Alam, Selangor
7.	2008-2012	Lecturer , Universiti Teknologi MARA, Shah Alam, Selangor
8.	2008 (March-June)	Civil and Structural Engineer , Strutech Engineering Sdn. Bhd., Selangor
9.	2005-2008	Civil and Structural Engineer , WEA Engineers and Associates, Selangor
10.	2004-2005	Civil and Structural Engineer , T&E Engineers and Associates, Johor
11.	2004 (June- October)	Assistant Lecturer , Faculty of Civil Engineering, Universiti Teknologi Malaysia, Johor.
12.	2002 (March – May)	Trainee , Sin Heng Bow Construction Sdn. Bhd., Kuching, Sarawak

SECTION 2: TEACHING EXPERIENCES

2.1. Taught Courses

No	Courses & Codes	Course Level
1	Determinate Structures (ECS448)	Undergraduate
2	Indeterminate Structures (ECS468)	Undergraduate
3	Reinforced Concrete Design (KJC338)	Undergraduate
4	Reinforced Concrete Design (ECS478, ECS559)	Undergraduate
5	Structural and Material Laboratory (ECS438)	Undergraduate
6	Basic Structural Design (ECS458)	Undergraduate
7	Basic Timber and Steel design (ECS444)	Undergraduate
8	Structural Analysis (ECS556)	Undergraduate
9	Integrated Design Project (ECS584)	Undergraduate
10	Mechanics of Solid (ECS428)	Undergraduate

2.2. Supervision

2.2.1 Undergraduate Students

1. "Analysis And Design Of Reinforced Concrete Slab For Warehouse", Siti Nor Hidayah Bt Mukhtar @ Abdullah) For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
2. "Design Of Steel Structure Under Combined Bending And Torsion", Daliah Binti Hasan For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
3. "Finite Element Analysis Of Reinforced Concrete Deep Beam", Farah Atiqa Bt Othman, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
4. "The Structural Behaviour Of Shear Wall In Tall Building", Ahmad Nawawi Haron, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
5. "Experimental Testing On The Structural Behaviour Of Uhcp Deep Beam", Ros Zanita Zainol, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
6. "Experimental Testing On The Structural Behaviour Of Uhcp Deep Beam", Stephanie Johnson For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
7. "Finite Element Analysis On The Structural Behaviour Of Uhcp Deep Beam", Ahmad Farhan Aminuddin, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
8. "The Effect Of Silica Fume And Polyethylene (Pe) On Performance Of The Concrete", Nizar B. Nahar For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
9. "Compression Behaviour Of Concrete Cylinder With Addition Of Silica Fume And Polyethylene", Mohamad Afif Bin Daud For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
10. "Evaluation Of Column Design Using Bs8110 And Eurocode 2, Mohd Fauzan Bin Mohd Yunan For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
11. "Effect Of Reinforcement Arrangement On Reinforced Concrete Column Of Grade 30, Muhamad Aizat Bin Shofre For Bachelor The Degree In Civil Engineering. Universiti Teknologi Mara (Uitm).
12. "Experimental Study On Reinforced Concrete With Recycled Coarse Aggregate With Shear Span Over Effective Depth Ratio1.0, Mardhiah Abu Hanifah For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM).
13. "Experimental Study On Reinforced Concrete With Recycled Coarse Aggregate With Shear Span Over Effective Depth Ratio2.0, Mohamad Ridzwan Bin Hamzah, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM).
14. "Experimental Study On Reinforced Concrete With Recycled Coarse Aggregate With Shear Span Over Effective Depth Ratio 1.5, Mashitah Bt Ahmad, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM).
15. "Shear Capacity Of The High Strength Recycled Reinforced Concrete Beam", Noorhafida Binti Redzuan For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM).

16. "Crack Pattern Of The High Strength Recycled Reinforced Concrete Beam", Nazzura Binti Baharudin For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM).
17. "Shear Behaviour Of Reinforced Concrete Beam Strengthened By Cfrps Trips, Nurul Nabilah Binti Jaslee, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM).
18. "Flexural Behaviour Of The High Strength Recycled Reinforced Concrete Beam, Mohd Nazeerul Ameen Bin Mohd Mazalan For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM).
19. "Collision Detection Of Active Tensegrity Structure", Ahmad Mahdi Bin Kamin For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2015-2016.
20. "Compressive Strength Of Self-Compacting Concrete Containing Eggshell", Muhammad Akmal Bin Mohd Shaary For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2016.
21. "Tensile Strength Of Self-Compacting Concrete With Crushed Eggshell", Mohd 'Azim Bin Mohd Azahar, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2016.
22. "Durability Performance Of Self Compacting Concrete Containing Eggshell", Muhammad Rizqan Bin Mohd Nasir, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2016.
- 23.** "Form-Finding Of Two-Stage Tensegrity Structure", Muhammad Farid Bin Mohamad Harun For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2016-2017.
24. "Form-Finding Of Three-Stage Tensegrity Structure", Nur Farizah Filzah Binti Naing For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2016-2017.
25. "Form-Finding Of Four-Stage Tensegrity Structure", Nur Amalina Binti Sarom For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2016-2017.
26. "Fresh And Hardened Properties Of Scc Containing 0.6mm Eggshell", Ashafiera Binti Ghadzaly For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2017-2018.
27. "Flexural Behavior Of Self-Compacting Beams Containing 0.6 Mm Eggshell", Ainina Yusriani Binti Mohd Yusoff For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2017-2018.
28. "Flexural Capacity Of Self-Compacting Reinforced Concrete Beams Containing Eggshell", Izzuren Najihah Binti Muhammad Jamil For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2018-2019.
29. "Shear Behaviour On Self-Compacting Reinforced Concrete Beams Containing Eggshell", Muhammad Nizrul Hafiz Bin Nizaruddin For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2018-2019.
30. "Crack Patterns Of Self-Compacting Reinforced Concrete Beams Containing Eggshell", Denthiquecca Anak Ringam For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2018-2019.
31. "Comparison Of Self-Compacting Reinforced Concrete Beams With And Without Eggshell", Faridatul Izzah Bt Farid For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2018-2019.

32. "Tensile Strength Of Engineered Cementitious Composites Containing Slags", Najihah Binti Sukri, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2019-2020.
33. "Flexural Strength Of Ecc Composite Beams With 50% Replacement Of Ggbs", Amelda Binti Jakaria, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2019-2020.
34. "Crack Behaviour Of ECC Composite Beams With 50% Replacement Of Ggbs", Wan Nur Atikah Binti Wan Azmi, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2019-2020.
35. "Flexural Strength Of ECC Composite Beams With 60% Replacement Of Ggbs", Nur Fatin Shahira Binti Asmadi, For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2019-2020.
36. "Crack Behaviour Of ECC Composite Beams With 60% Replacement Of Ggbs", Wan Nurwajihah Binti Mustapakamal For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2019-2020.
37. "Effect Of GGBS On The Flexural Strength Of Ecc Composite Beams", Muhammad Nizam Bin Marzuki for The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). 2019-2020.
38. "Experimental Studies on The Mechanical Properties Of Concrete Utilizing Woodchips In Design" Hishamuddin Naeem Bin Badrul Hisham For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). Feb 2022
39. "Bending Deformation Of Bio-Tensegrity Structure At Different Deployable Schemes", Nur Syakinah Binti Anuar for The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). Aug 2022.
40. "Mechanical Behaviour of Precast Connection System with Different Embedded Length", Mohamad Afiq Bin Mohd Khairul Annuar for The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). Aug 2022.
41. "Axial Deformation Of Bio-Tensegrity Model At Different Deployable Schemes", Nur Hazira Binti Rosli For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). Aug 2022.
42. "Mechanical Behaviour Of Precast Connection With Conical Shape", Muhammad Faris Bin Mohd Alwi For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). Aug 2022.
43. "Evaluation Of Flexural Behaviour And Economical Aspects Of Engineered Cementitious Composite Incorporating GGBS As Cement Replacement", Muhammad Muhaimin Bin Abdul Halim For The Bachelor Degree In Civil Engineering. Universiti Teknologi Mara (UiTM). Aug 2022.

2.2.2 Postgraduate Student

1. "Mechanical Properties Of ECC Containing Slags Subjected To High Temperature", Nurmazidah Binti Abdullah Zawawi, Master Degree (Disertation) In Civil Engineering. Universiti Teknologi Mara (UiTM). 2019-2020. Completed.
2. "Fresh and hardened properties of high slag ECC", Yusnita, Master Degree (Disertation) In Civil Engineering, Universiti Teknologi Mara (UiTM) 2021-2022 Ongoing.

3. "Structural behavior of deployable biotensegrity model", Nik Elisa Master Degree (Research) In Civil Engineering, Universiti Teknologi Mara (UiTM) 2021-2023, Ongoing.

SECTION 3: RESEARCH & CONSULTATION PROJECTS

3.1 Research Projects

- 1. The Effects Of Floor Diaphragms Flexibility On The Lateral Stability Of Multi-Storey Moment-Resisting Concrete Frames**
Role: Principal Researcher
Source: 600-Rmi/St/ 5/3/Rst (69/2008)
Total Funds: Non Funded
Begin Year: October 2008
End Year: March 2009
- 2. Kenaf Particulate Reinforced Polyethylene Composites Moisture Diffusion Model**
Role: Member
Source: 600-Rmi/St/Frgs 5/3/Fst (5/2011)
Total Funds: Rm 105,000.00
Begin Year: July 2011
End Year: June 2013
- 3. Active Control Of Bio-Tensegrity Structure**
Role: Member
Source: 600-Irmi/Pbt 5/3 (0030/2016)
Total Funds: Rm 651,000, Korea National Research Foundation
Begin Year: June 2016
End Year: May 2019
- 4. Form-Finding Of Biologically Inspired Multi-Modular Biotensegrity Model**
Role: Principal Researcher
Funding Agency: Ministry of Higher Education
Source: 600-Irmi/Frgs 5/3 (041/2017)
Total Funds: Rm 72,610.00
Begin Year: August 2017
End Year: August 2019
- 5. Developing of New Version of Engineered Cementitious Composite Towards Integrated Structural and Material Design**
Role: Member
Source: 600-Irmi/Rei 5/3 (012/2018)
Total Funds: RM 32,000.00
Begin Year: September 2018
End Year: February 2021
- 6. Stress-Strain Relation to Inter-Particle Collision Theory of Highly Flowable Green Engineered Cement Binder**
Role: Member
Funding Agency: Ministry of Higher Education
Source: FRGS/1/2019/TK06/UITM/02/2

Total Funds: RM 70,600.00
Begin Year: September 2019
End Year: August 2021

7. Elucidation of the Correlation between Deformability and Form of Dynamic Deployment BioTensegrity

Role: Head
Funding Agency: Ministry of Higher Education
Source: FRGS/1/2021/TK0/UITM/02/11
Total Funds: RM 70,000.00
Begin Year: September 2021
End Year: September 2023

8. Bonding Behaviour of Conical Sleeve Dowel Connection System for Precast Reinforced Concrete Structural Components

Industrial collaborator: RIVO Builder Sdn. Bhd.
Role: Head
Source: 600-TNCPI 5/3/DDF (FKA) (007/2021)
Total Funds: RM20,000.00
Begin Year: June 2021
End Year: June 2023

9. Effective Teaching Learning and Assessment (TLA) Framework Addressing Psychomotor Domain for Open Distance Learning (ODL)

Role: member
Source: GERAN PENYELIDIKAN PROFESOR, UiTM
Total Funds: RM10,000.00
Begin Year: September 2021
End Year: September 2022

3.2 Consultancy Works

1. Project: Malaysian Mosaic Factory in Kluang, Johor - Proposed Extension to MMB 3 for Existing Factory at Lot P/o 1, PTD 53638, Jalan Batu Pahat Kluang.
Post: Design Engineer, T&E Engineers and Associates, Johor
Involvement Year: 2004-2005
2. Project: Unican Factory in Seelong, Johor – PTD 124298, Jalan Seelong, Johor
Post: Design Engineer, T&E Engineers and Associates, Johor
Involvement Year: 2004-2005
Scopes: steel structural design (portal frame, truss and connections design); reinforced concrete design (office, guard house, pump house)
3. Project: Double-storey residential housing in Mukim Sungai Buluh
Post: Design Engineer, WEA Engineers and Associates, Selangor
Involvement Year: 2005-2008
Scopes: piling foundation design, remedial work for broken and eccentric piles
4. Project: Car Park at Jalan Penampang, Kota Kinabalu, Sabah
Post: Design Engineer, WEA Engineers and Associates, Selangor
Involvement Year: 2005-2008

- Scopes: three-storey reinforced concrete car-park design inclusive ramp, curved beam, super and sub-structures- pile foundation)
5. Project: Geotechnical study for stonor condominium in KL
Post: Design Engineer, WEA Engineers and Associates, Selangor
Involvement Year: 2005-2008
Scopes: Diaphragm wall analysis
 6. Project: 46 unit three-storey shop-office in Shah Alam, Selangor
Post: Design Engineer, WEA Engineers and Associates, Selangor
Involvement Year: 2005-2008
Scopes: reinforced concrete design of super and sub-structure (special features: strip footing, strap footing, lift core wall)
 7. Project: 45 unit 3-storey terrace house and 20 unit semi-detached house in Taman Ratu, Penang
Post: Design Engineer, WEA Engineers and Associates, Selangor
Involvement Year: 2005-2008
Scopes: reinforced concrete design of super and sub-structure (special features: transfer beam, cantilever beam)
 8. Project: Proposed demolition work on Lot 217, P.T. 61, KL
Post: Design Engineer, WEA Engineers and Associates, Selangor
Involvement Year: 2005-2008
Scopes: steel truss and column design to support existing building, hoarding design
 9. Project: 33-storey Commercial & office building in Petaling Jaya, Selangor (24 floors of office and 8 floors podium and 1 sub-basement)
Post: Design Engineer, WEA Engineers and Associates, Selangor
Involvement Year: 2005-2008
Scopes: reinforced concrete design of super and sub-structure (special features: cantilever beam, water tank, swimming pool, circular ramp, basement, TNB trenches in building, lift core).
 10. Project: Ipoh Bungalow
Post: Design Engineer, Strutech Engineering Sdn. Bhd., Selangor
Involvement Year: 2008-2008
Scopes: reinforced concrete design of super and sub-structure
 11. Project: 1 block three-storey shop house
Post: Design Engineer, Strutech Engineering Sdn. Bhd., Selangor
Involvement Year: 2008-2008
Scopes: reinforced concrete design of super and sub-structure
 12. Project: FOUR-POINT FLEXURAL TESTS ON PRECAST CONCRETE SOLDIER PILE (POST AND PANEL)
Year: 2019
Client: Rivo Builders (M) Sdn. Bhd.
Amount: RM20,000
Scopes: Flexural test on precast concrete soldier pile (post S1-S4 and panel S5)
 13. Project: Coffee Table Book NTDC2017

Year: 2020

Client: Malaysian Timber Industry Board (MTIB)

Amount: RM10,000

14. Project: FOUR-POINT FLEXURAL TESTS ON PRECAST CONCRETE SOLDIER PILE (POST AND PANEL)

Year: 2021

Client: Rivo Builders (M) Sdn. Bhd.

Amount: RM11,500

Scopes: Flexural test on precast concrete sheet pile (S1&S2)

SECTION 4: PUBLICATION

4.1 Conference/Proceeding

1. S. W. Lee and C. L. Oh, "Nonlinear Finite Element Analysis of Reinforced Concrete Shear Wall Structures," in *The 5th National Civil Engineering Conference (AWAM 2009)*, 2009: USM.
2. C. L. Oh and S. W. Lee, "The Effects of Floor Diaphragms Flexibility on the Lateral Stability of Multi-Storey Moment-Resisting Concrete Frames," in *The 5th National Civil Engineering Conference (AWAM 2009)*, 2009: USM.
3. C. L. Oh and S. K. Gan, "Investigation on integrity of existing circular reinforced concrete silo with opening," in *International Conference on Science and Social Research (CSSR 2010)*, 2010, pp. 298-302: IEEE.
4. S. W. Lee and C. L. Oh, "Structural Performance of Reinforced Concrete Beams Strengthened by CFRP Strips," in *ASEAN Conference on Scientific and Social Science Research (ASCCR 2011)*, 2011: UiTM.
5. C. L. Oh, S. W. Lee, M. A. Masrom, and C. H. Goh, "Experimental Study on Shear Behaviour of High Strength Reinforced Recycled Concrete Beam," in *3RD CUTSE INTERNATIONAL CONFERENCE*, MIRI CURTIN UNIVERSITY, 2011.
6. C. L. Oh, K. K. Choong, and T. Nishimura, "Biotensegrity Model Inspired by Backbone," in *The 7th Asia Pacific Young Researchers and Graduates Symposium (YRGS 2015)*, 2015, pp. 241-251: University of Malaya.
7. A. R. Azerai, M. Z. Raizamzamani, S. W. Lee, and C. L. Oh, "Thermo-mechanical and Microstructure performance of Chopped Glass Fiber-reinforced Shape Memory Polymer Composites (GFSMPCs) in Variation of Fiber Length," in *13th International Conference on Concrete Engineering and Technology 2016 (CONCET 2016)*, 2016.
8. C. L. Oh, K. K. Choong, T. Nishimura, and J.-Y. Kim, "Form Finding Of Human Spine Inspired Biotensegrity," in *Proceedings Of The IASS Annual Symposium 2016 Tokyo*, 26-30 September 2016.
9. C. L. Oh, S. W. Lee, and M. R. M. Zain, "Fresh and Hardened Properties of Self-compacting Concrete Containing Eggshell," in *The 4th International Civil and Infrastructure Engineering*, Semarang, Indonesia, 2017.
10. M. Z. M. Raizamzamani, A. R. A. Samad, S. W. Lee, C. L. Oh, and Y. N. Azmi, "Behaviour of Confining Reinforcements on the Bearing Strength of Bridge Concrete Pedestal," in *The 4th International Civil and Infrastructure Engineering*, Semarang, Indonesia., 2017.
11. S. W. Lee, C. L. Oh, and M. R. M. Zain, "Mechanical Properties of Engineered Cementitious Composites Using Local Ingredients," in *The 4th International Civil and Infrastructure Engineering Conference*, Semarang, Indonesia, 2017.

12. C. L. OH, CHOONG, K. K., NISHIMURA, T. & KIM, J.-Y., LEE, S.W., "Self-equilibrated Tapered Three-stage Tensegrity Mast," presented at the International Seminar on Aerospace Science and Technology 2017 (ISAST V), Medan, Indonesia, 27-29 September 2017, 2017.
13. C. L. OH, CHOONG, K. K., NISHIMURA, T. & KIM, J.-Y., "Shape Change Analysis of Tensegrity Models," in *Proceedings for IASS Annual Symposium 2017*, Hamburg, Germany, 2017.
14. S. W. Lee, C. L. Oh, and M. R. M. Zain, "Evaluation of the Design Mix Proportion on Mechanical Properties of Engineered Cementitious Composites," presented at the The 8th International Conference on Key Engineering Materials (ICKEM 2018), Osaka International Convention Center, 16-03-2018, 2018.
15. N. Basir, C. L. Oh, J. M. Salmizi, and H. Shaharin, "Assessment of Outcome-Based Integrated Design Project," in *International Conference on Creative and Innovative Technology in Education (ICITE 2018)*, Hotel Le Grandeur Palm Resort, Johor, Malaysia, 2018.
16. C L Oh, K K Choong, T Nishimura, J Y Kim, and M. R. Zain, "Tapered three-stage deployable tensegrity model," presented at the International Seminar on Aerospace Science and Technology VI Jakarta, Indonesia, 25-26 September 2018, 2018.
17. A. H. N. Farhana, C. L. OH, H. M. Yee, A. Anizahyati, and K. K. Choong, "Overview on the Application of Tensegrity in Biology Systems," in *The 12th Asian Pacific Conference on Shell & Spatial Structures, APCS2018* Spice Setia Convention Center, Penang, Malaysia, 2018.
18. Oh, C. L., Lee, S. W., Raizamzamani, M. Z. M., Azerai, A. R., & Azmi, Y. N. (2018, 27-28 August 2018). *Finite Element Analysis of High Strength Reinforced Concrete Beams*. Paper presented at the The 3rd International Symposium on Expertise of Engineering Design (ISEED 18), Le Grandeur Palm Resort Senai Johor.
19. N. F. Filzah Naing, C. L. Oh, A. B. Ilyani Akmar, & Raizamzamani, M. Z. M. (2018, 26-27 November 2018). *Form-finding of Tensegrity Model with Triangular cells*. Paper presented at the Engineering, Science & Technology International Conference 2018 MAHSA University, Malaysia.
20. Nurmazidah Abdullah Zawawi, *Oh Chai Lian, Lee Siong Wee, Mohd Raizamzamani Md Zain, & Yahya, N. A. (2019, 16-17 October 2019). Mechanical Properties of Engineered Cementitious Composite- An Overview Paper presented at the International Conference on Sustainable Design, Engineering, Management and Sciences, Swiss Garden Kuala Lumpur, Malaysia.
21. Anizahyati Binti Alisibramulisi M. R. B. M. Z., Nurul Huda Binti Suliman, Oh Chai Lian, Siti Rashidah Bt Mohd Nasir, "Finite Element Analysis (FEA) Project in Structural Engineering Subject," in IEEE 11th International Conference on Engineering Education (ICEED 2019), Kanazawa Japan, 2019: IEEE Malaysia, Faculty of Electrical Engineering UiTM and Kanazawa Institute of Technology (KIT), Japan.
22. Oh C., Choong, K., Nishimura, T., Kim, J., "Tracking Nodal Displacements of Biotensegrity Model through Shape Change Analysis.," in International Conference on Architecture and Civil Engineering 2020, Kuala Lumpur, Malaysia, 2020.
23. Lee S. W., Mohd Raizamzamani M. Z., Oh C. L., Nadiah S., and Norrul Azmi Y., "Flexural Behavior Of Engineered Cementitious Composites Containing Moderate Volume Fraction of Polyvinyl Alcohol Fibers," in International

- Conference on Thermofluids, Sustainable Energy & Environment (ICTSEE 2021), Virtual Conference, 2021: Thermofluids & Energy Centre, Faculty of Mechanical Engineering, Universiti Teknologi MARA.
24. Mohamad Hakim K., Oh C. L., Lee S. W., Mohd Raizamzamani M. Z., and Norrul Azmi Y., "An Overview of Microstructural Behaviour of ECC After Exposed to Elevated Temperature," in International Conference on Thermofluids, Sustainable Energy & Environment (ICTSEE 2021), Virtual Conference, 2021: Thermofluids & Energy Centre, Faculty of Mechanical Engineering, Universiti Teknologi MARA.
 25. Mohd Raizamzamani M. Z., Oh C. L., Lee S. W., Norrul Azmi Y., and Anizahyati A., "Crack Behavior Of Self-Compacting Concrete (SCC) Beams Containing Eggshell In Flexural," in International Conference on Thermofluids, Sustainable Energy & Environment (ICTSEE 2021), Virtual Conference, 2021: Thermofluids & Energy Centre, Faculty of Mechanical Engineering, Universiti Teknologi MARA.
 26. Oh C. L., Lee S. W., Norrul Azmi Y., Gajalakshmi P., and Mohd Raizamzamani M. Z., "Tensile Strength Of Engineered Cementitious Composite Containing High Volume Of GGBS," in International Conference on Thermofluids, Sustainable Energy & Environment (ICTSEE 2021), Virtual Conference, 2021: Thermofluids & Energy Centre, Faculty of Mechanical Engineering, Universiti Teknologi MARA.
 27. Isa, C. M. M., Lian, O. C., Pao, L. C., Saman, H. M., Ibrahim, C. K. I. C., & Yusof, Z. (2021, 11 March 2021). Effective Implementation of Complex Engineering Problems And Activities In Engineering Curricular From Educators' Perspectives In Malaysia. 1st International Conference On Technology And Quality Management Of Tertiary Education, Virtual Conference.

4.2 Journal Articles

1. C. L. Oh, K. K. Choong, and C. Y. Low, "*Biotensegrity Inspired Robot-Future Construction Alternative*," *Procedia Engineering*, vol. **41**, pp. 1079-1084, 2012.
2. C. L. Oh, S. W. Lee, M. A. Masrom, and C. H. Goh, "*Experimental Study on Shear Behaviour of High Strength Reinforced Recycled Concrete Beam*," *Pertanika Journal of Science & Technology*, vol. **21**, no. 2, 2013.
3. Oh, C., Choong, K., Nishimura, T., Kim, J., & Zain, M. (2018). Tapered three-stage deployable tensegrity model. *Journal of Physics: Conference Series*, *1130*(1), 012031. doi:<https://doi.org/10.1088/1742-6596/1130/1/012031>
4. Oh, C., Lee, S., Mohd Raizamzamani, M., Azerai, A., & Norrul Azmi, Y. (2018). Finite element analysis of high strength reinforced concrete beams. *MATEC Web Conf.*, *250*, 03007. doi:<https://doi.org/10.1051/mateccconf/201825003007>
5. Wee, L. S., Lian, O. C., & Zain, M. R. M. (2018). Evaluation of the Design Mix Proportion on Mechanical Properties of Engineered Cementitious Composites. *Key Engineering Materials*, *775*, 589-595. doi:10.4028/www.scientific.net/KEM.775.589
6. Yahya, N. A., Dhanasekar, M., Zain, M. R. M., Oh, C. L., & Lee, S. W. (2018). Bearing strength of concrete for difference heights of concrete blocks. *IOP Conference Series: Materials Science and Engineering*, *431*(7), 072011. doi:[iopscience.iop.org/article/10.1088/1757-899X/431/7/072011](https://doi.org/10.1088/1757-899X/431/7/072011)

7. Lee, S. W., Oh, C. L., Zain, M. R. M., & Yahya, N. A. (2018). The Use of Oil Palm Fiber as Additive Material in Concrete. *IOP Conference Series: Materials Science and Engineering*, 431(4), 042012. doi:iopscience.iop.org/article/10.1088/1757-899X/431/4/042012
8. Mohd Raizamzamani Md, Z., Norrul Azmi, Y., Lee Siong, W., & Oh Chai, L. (2018). Concentrically Loaded Square Steel Plates Bearing on Plain Concrete Blocks Containing Fly Ash. *IOP Conference Series: Materials Science and Engineering*, 431(6), 062011. doi:<http://iopscience.iop.org/article/10.1088/1757-899X/431/6/062011>
9. N. F. Filzah Naing, C. L. Oh, A. B. Ilyani Akmar, & Raizamzamani, M. Z. M. (2018). Form-Finding of Tensegrity Model with Triangular Cells. *International Journal of Engineering & Technology*, Vol 7(No 36). doi:<http://dx.doi.org/10.14419/ijet.v7i3.36.29094>
10. A.H. Nadia Farhana, C. L. OH, H. M. Yee , & Anizahyati, A. (2018). Overview on the Form-Finding of Tensegrity Structure. *International Journal of Engineering & Technology*, 7(36). doi:<http://dx.doi.org/10.14419/ijet.v7i3.36.29078>
11. C. L. Oh, K. K. Choong, T. Nishimura, and S. W. Lee, "Self-equilibrated Tapered Three-stage Tensegrity Mast," *Journal of Physics: Conference Series*, vol. **1005**, no. 1, p. 012039, 2018.
12. S. N. Amalina, C. L. Oh, S. W. Lee, And K. K. Choong, "Form-Finding of Four-Stage Tensegrity Mast," *International Journal of Civil Engineering & Technology (IJCIET)* vol. **9**, no. 7, pp. 1425-1434, 7 July 2018 2018. IAEME Publication
13. Basir, N., **Oh, C. L.***, Muhd Salmizi, J., & Shaharin, H. (2019). "Assessment of outcome-based integrated design project". *JOTSE*, 9(1), 77-84.
14. C. L., Oh, Choong K. K., T. Nishimura, J. Y. Kim, and O. Hassanshahi. "Shape Change Analysis of Tensegrity Models." *Latin American Journal of Solids and Structures* 16, no. 7 (2019): 19.
15. Zain, M. R. M., Yahya, N. A., Wee, L. S., **Oh C. L.**, Rahman, A. S. A., & Dhanasekar, M. (2019). Bearing Strength Behaviour of Bridge Concrete Pedestal with Confined Reinforcements. *Journal of Mechanical Engineering*, 16(2), 167-181.
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17. Zain, M. R. M., Yahya, N. A., Wee, L. S., Lian, **Oh C.L.**, & Yunus, B. M. (2019). Experimental study on the bearing capacity of concrete blocks loaded through square and circular steel plates. *IOP Conference Series: Materials Science and Engineering*, 513(1), 012032.
18. Lee, S. W., **Oh, C. L.**, Zain, M. R. M., Yahya, N. A., & Ali Rahman, A. (2019). Mechanical Performances of Green Engineered Cementitious Composites Incorporating Various Types of Sand *Key Engineering Materials* (Vol. 821, pp. 512-517): Trans Tech Publ.
19. Wee, L. S., **Oh, C. L.**, & Zain, M. R. M. (2019). Mechanical Properties of Engineered Cementitious Composites Using Local Ingredients. *Journal of Mechanical Engineering*, 16(2), 145-157.
20. **Oh, C. L.**, Lee, S. W., & Mohd Raizamzamani, M. (2019). Fresh Properties and Compressive Strength of Self-Compacting Concrete Containing Eggshells. *Malaysian Construction Research Journal*, 28(2), 10.

21. Yahya N. A. B., NOR N. B. M., Zain M. R. B. M., **Oh C. L.**, and Lee S. W., Bearing Strength of Circular Concrete Blocks Varies in Heights Subjected to Concentrically Circular Loaded Bearing Plate. IOP Conference Series: Earth and Environmental Science, 2020, Vol. 498, no. 1.
22. **Oh C. L.**, Choong K. K., Nishimura T., and Kim J. Y. Form-Finding of Spine Inspired Biotensegrity Model. Applied Sciences, 11 September 2020, Vol. 10, no. 18. MDPI (<https://doi.org/10.3390/app10186344>)
23. Md Zain, M. R., **Oh, C. L.**, & Lee, S. W. (2021). Investigations on rheological and mechanical properties of self-compacting concrete (SCC) containing 0.6 μm eggshell as partial replacement of cement. Construction and Building Materials, 303, 124539. <https://doi.org/10.1016/j.conbuildmat.2021.124539>
24. Zain, M. R. M., **Oh, C. L.**, Lee, S. W., & Azmi, N. (2021). Crack Behaviour of Self-Compacting Concrete (SCC) Beams Containing Eggshell in Flexural. Pertanika Journal of Science and Technology, 29(4), 3059 - 3080. <https://doi.org/https://doi.org/10.47836/pjst.29.4.44>
25. Isa, C. M. M., **Oh C. L.**, Pao, L. C., Saman, H. M., Ibrahim, C. K. I. C., & Yusof, Z. (2021). Effective Implementation of Complex Engineering Problems and Complex Engineering Activities in Malaysian Engineering Curricular. Asian Journal of University Education, 17(4), 170-178. <https://doi.org/10.24191/ajue.v17i4.16219>
26. Khazani, M.H.; **Oh, C.L.**; Lee, S.W.; Mohd Raizamzamani, M.Z.; Yahya, N.A. The Effect of Elevated Temperature on Engineered Cementitious Composite Microstructural Behavior: An Overview. Pertanika Journal of Science & Technology 2022, 30. <https://doi.org/10.47836/pjst.30.1.24>.
27. **Oh, C.L.**; Lee, S.W.; Yahya, N.A.; Pandulu, G.; Mohd Raizamzamani, M.Z. Tensile Behaviour of Slag-based Engineered Cementitious Composite. Pertanika Journal of Science & Technology 2022, 30, <https://doi.org/10.47836/pjst.30.1.17>
28. **Oh, C.L.**; Choong, K.K.; Toku, N.; Kim, J.-Y. Multi-Directional Shape Change Analysis of Biotensegrity Model Mimicking Human Spine Curvature. Applied Sciences 2022, 12, 2377, <https://doi.org/10.3390/app12052377>
29. Ha, C. F.; Noh, N.; **Oh, C. L.**; Noor, N. A. M.; Isa, C. M. M., (2022). "Teaching, Learning and Assessments (TLA) in Civil Engineering Laboratory Courses in Open Distance Learning (ODL) during Covid-19 Pandemic", Asian Journal of University Education, 18(3),pp. 818-829.
30. Isa, C. M. M.; **Oh, C. L.**; Liew, C. P., (2022). "Design of an Innovative Assessment Instrument Integrating Service-Learning Malaysia University for Society Approach for Engineers in Society Course during Covid19 Pandemic", Asean Journal of Engineering Education, 6(1),pp. 58-68.

4.3 Books/Chapter of Book

1. C. H. Goh, C. B. Yong, M. Z. M. Raizamzamani, S. W. Lee, and C. L. Oh, *Problems and Solution on Stiffness method for structures*. UiTM Press, 2012.
2. Nurmaidah A. Z., Oh C. L., Lee S. W., Raizamzamani M. Z. M., and Azmi Y. N., "Mechanical Properties of Engineered Cementitious Composite (ECC): An Overview," in ICSDMS 2019 Proceedings of the International Conference on Sustainable Design, Engineering, Management and Sciences, A. T. Emamian S., Nangkula U., Awang M. , Ed. Singapore: Springer Nature Singapore Pte Ltd, 2020, pp. 259-264.

3. Yahya N. A., Amin N. M., Zain M. R. M., Lian O. C., and Wee L. S., "Bearing Strength of Concrete Blocks with External Wrapping of Carbon Fibre Reinforced Plastic (CFRP)," in ICSDEMS 2019: Springer, pp. 249-257.
4. Zain M. R. M., Yahya N. A., Lee S. W., Oh C. L., and Alisibramulisi A., "Bearing Strength of Reinforced Concrete Blocks Axially Loaded Through Various Sizes of Steel Plates," in ICSDEMS 2019: Springer, pp. 241-248.

4.4 Online course

1. Z. M. Raizamzamani, A. R. Azerai, I. Azmi and C. L. Oh, *Indeterminate Structures*, Massive Open Oline Course, <https://www.openlearning.com/courses/indeterminate-structures/homepage>, 2018
2. Oh, C. L.; Balqis, B. M. Y.; Lee, S. W.; Mohd Raizamzamani, B. M. Z.; Thevaneyan, K. D.; Suhailah, M. N., "Massive Open Online Course-Structural Analysis," Under development
https://ufuture.uitm.edu.my/mooc/course_detail.php?course=ECS556,

4.5 Copyright

1. CRLY00022828, Self-equilibrated Tapered Three-stage Tensegrity Mast, Notified 8 Jun 2020

4.6 Youtube Teaching Videos

<https://www.youtube.com/channel/UCSrgSnAyrJ5o58uSSuTn0TA?app=desktop>

SECTION 5: PROFESSIONAL SERVICES

5.1 External Examiner

1. External Examiner, Curtin University Malaysia, Miri, Sarawak, Appointment October 2020 – September 2021.
2. External Examiner, Kolej Laila Taib, Sibul, Sarawak, Appointment 1st July 2021 – 30th June 2026.

5.2 EAC Evaluation Panel

1. EAC Evaluation Panel, Accreditation Visit for Programme: *Bachelor of Civil Engineering* in LIMKOKWING University of Creative Technology (LUCT), 7-10 October 2018.
2. EAC Evaluation Panel, Accreditation Visit for Programme: *Bachelor of Environmental Engineering* in Universiti Malaysia Perlis (UNIMAP), 6-9 November 2018.
3. EAC Evaluation Panel, Accreditation Visit for Programme: *Bachelor of Civil Engineering* in Infrastructure University Kuala Lumpur (IUKL), 16-19 April 2019.
4. Head of EAC Evaluation Panel, Accreditation Visit for Programme: *Bachelor of Engineering (Civil)* in Swinburne University of Technology Sarawak Campus, 10-13 September 2019.

5. EAC Evaluation Panel, Desktop Review Interim Accreditation for Programme: *Bachelor of Engineering (Honours) Environmental Engineering Universiti Tunku Abdul Rahman (UTAR)* 14 August 2020.
6. Head of EAC Evaluation Panel, Accreditation Visit for Programme: *Bachelor of Civil Engineering* in Universiti Pertahanan Nasional Malaysia (UPNM), 20-21 April 2021.
7. Head of EAC Evaluation Panel, Accreditation Visit for Programme: *Bachelor of Civil Engineering* in University College of Technology Sarawak (UCTS), 1-2 September 2021.

5.3 Panel Evaluators/Jury for Competition

1. Jury, National Timber Design Competition (NDTC 2017), Organised By IISEM, UiTM & Malaysian Timber Industry Board (MTIB), 22nd March 2017
2. Jury, Bridge Design Competition (Pertandingan Rekabentuk Model Jambatan 2017), Faculty of Civil Engineering, UiTM, 2nd November 2017
3. Head of Jury, Program Design And Build Competition: Futuristic Footbridge, Faculty of Civil Engineering, UiTM, 19th March- 6th May 2018
4. Jury, Expo on University Research Invention, Creation and Innovation (Eureka 2018/IRISE 2018), Faculty Of Built Environment, University of Malaya (UM), 14-16th Aug 2018
5. JURI 2nd Digitalised International Invention, Innovation & Design (DIIID 2019), Universiti Teknologi MARA Cawangan Johor, Kampus Pasir Gudang, 19-26th July 2019
6. Tutor panel and Critic for Course Advanced Design II (ARK750), Fakulti Senibina, Perancangan Dan Ukur, Universiti Teknologi MARA, Kampus Puncak Alam, 22nd Jun 2021
7. 5th Digitalised International Invention, Innovation and Design Johor 2022 (DIIID JOHOR 2022) Universiti Teknologi MARA Cawangan Johor, Kampus Pasir Gudang, 1-5th Aug 2022

5.4 Associate Editor/Reviewer/Dissertation Evaluator

5.4.1 Associate Editor

1. Associate Editor, Journal of Sustainable Civil Engineering and Technology, September 2021 to August 2023.

5.4.2 Article Reviewer

1. Reviewer, Jurnal Teknologi Isu Khas, Jurnal Teknologi, 2016
2. Reviewer, Conference The 4th International Civil and Infrastructure Engineering Conference (CONCET 2016), Universiti Teknologi MARA Shah Alam
3. Reviewer, Conference The 4th International Civil and Infrastructure Engineering Conference (INCIEC 2017), Universiti Semarang, Indonesia
4. Reviewer, Conference The 8th International Conference on Key Engineering Materials (ICKEM 2018), University of the Ryukyus, Japan
5. Reviewer, Conference Terengganu Multidisciplinary International Conference 2018 (TEMIC 2018), Universiti Teknologi MARA Cawangan Terengganu

6. Reviewer, Proceedings of the 12th Asian Pacific Conference on Shell & Spatial Structures, (APCS2018) Universiti Sains Malaysia
7. Reviewer, The 9th International Conference on Key Engineering Materials (ICKEM2019), Oxford, United Kingdom
8. Reviewer, Melaka International Conference on Social Sciences, Science and Technology 2019 (MIC3ST 2019), Universiti Teknologi MARA Cawangan Melaka
9. Reviewer, Open Science Journal (OSJ), 2020
10. Reviewer, The 5th International Conference on Sustainable Civil Engineering Structures and Construction Materials, (SCESCM 2020)
11. Reviewer, Seminar on Sustainable Concrete Materials and Structures in Construction 2020, Concrete Society Malaysia
12. Reviewer, The 11th International Conference on Key Engineering Materials (ICKEM 2021), Skoltech, Moscow, Russia
13. Reviewer, 1st International Conference on Technology and Quality Management of Tertiary Education (ICTQM-Ted 2021)
14. Reviewer, 2021 International Conference on University Learning and Teaching (InCULT2021), Universiti Teknologi MARA Shah Alam
15. Reviewer, 3 articles in Materials, MDPI, 2022

5.4.3 Dissertation Evaluator

1. Panel, Final Year Projects, Undergraduate students for School of Civil Engineering, Universiti Teknologi MARA Shah Alam (from 2016)
2. Panel, Dissertation, Master students by Taught Course for School of Civil Engineering, Universiti Teknologi MARA Shah Alam (from 2016)
3. Panel, Dissertation, Master students by Research for School of Civil Engineering, Universiti Teknologi MARA Shah Alam (from 2016)
4. Panel, Thesis, PhD students for School of Civil Engineering, Universiti Teknologi MARA Shah Alam (2019)

5.5 Speaker/Facilitator/Delegates

1. Visiting delegate, discussion research grant "Active Control Of Bio-Tensegrity Structures", Hyupsung University, Korea, 20-25 Sept 2016
2. Speaker, "Literature Review", Final Year Project, Faculty of Civil Engineering, Universiti Teknologi MARA, 14th March 2019
3. Speaker, "Reinforced Concrete Design of Water Retaining Structures," Two-day Short Course Analysis & Design of Gravity Feed System, Faculty of Civil Engineering, Universiti Teknologi MARA, 20-21st Aug 2019
4. Speaker, "Literature Review", Final Year Project, Faculty of Civil Engineering, Universiti Teknologi MARA, 20 September 2019
5. Speaker, "OBE & Complex Problems", Academic Week School of Civil Engineering, Universiti Teknologi MARA, 25 March 2021
6. Speaker, "Briefing on OBE & Complex Problem", OBE Workshop, School of Civil Engineering, Universiti Teknologi MARA, 14-15 July 2021
7. Speaker, "Tensegrity Structures: Applications and Computational", IEM Southern Branch, 5 June 2021
8. Speaker and Facilitator, "Earthwork Design", Institut Pembangunan Modal Insan Zon Utara, 20-22nd Oct 2021

9. Speaker, "Self-Compacting Concrete", Innovative Construction Materials Webinar, Concrete Society Malaysia, 10th Jan 2022
10. Speaker, "Briefing on OBE & Complex Problem", Academic Week, School of Civil Engineering, Universiti Teknologi MARA, 24th March 2022

5.6 Standard/Guideline Review

1. Reviewer, Manual Tatacara Penilaian Pengeluar Berstatus IBS (AIS) CIS 20:2013, Bengkel Penambakan Standard Industri Pembinaan, Lembaga Pembangunan Industri Pembinaan Malaysia - Pusat IBS (CIDB), 27 – 28th July 2016
2. Reviewer, OSHCI(M) Training Module Lembaga Pembangunan Industri Pembinaan, Bengkel Semakan Modul Latihan OSHA In Construction Industry Untuk Perunding Sivil Dan Arkitek Malaysia - Pusat IBS (CIDB), 18th July 2018

SECTION 6: AWARDS

6.1 Innovations/ Competitions

1. Y. N. Azmi, **Oh C. L.**, S. W. Lee, and M. Z. M. Raizamzamani, "Shape Optimization of Concrete Pedestal for Bridge Girder Bearings Through Numerical Modelling," Invention, Innovation & Design Exposition, 2017.- **Gold** Award
2. S. W. Lee, A. H. Nor hayati, Oh C. L., and M. Z. M. Raizamzamani, Y. N. Azmi,, " Engineered Cementitious Composites – A Solution to Overcome Brittleness of Concrete," Invention, Innovation & Design Exposition, 2017.
3. S. W. Lee, **Oh C. L.**, A. B. I. Akmar, and M. Z. M. Raizamzamani, "Super Ductile Engineered Cementitious Composites," International Invention, Inovation And Design (Iid Johor17), 9 March 2017, 2017. **Bronze** Award
4. M. Z. M. Raizamzamani, A. R. Azerai, I. Azmi, **Oh C. L.** and S. W. Lee, "Indeterminate structures", National e-Content Development Competition (e-ConDev 2017), 15th Aug 2017, Institute of Neo Education (iNED), UiTM. – **Silver** Award
5. Norisham Ibrahim, Mohd Raizamzamani Md Zain, Amiruddin Mirshad, Nursafarina Ahmad, and **Oh C. L.**, "Self-Consolidating Concrete Containing Wastes," International Highest Early Strength Self-Consolidating Concrete Competition (i-HESSCCC) 2018.
6. M. Z. M. Raizamzamani, A. R. Azerai, I. Azmi, **Oh C. L.** and S. W. Lee, "Indeterminate structures", National e-Content Development Competition (e-ConDev 2018), 28 Aug 2018, Institute of Neo Education (iNED), UiTM. – **Silver** Award
7. Kamarudin, M. K., Ahmad, N., Suliman, N. H., **Oh, C. L.**, & Ismail, S. (2019). *Solid of Mechanics*. National e-Content Development Competition (e-ConDev 2019). 7 Aug 2019, Institute of Neo Education (iNED), UiTM. - **Gold** Award
8. **Oh, C. L.**, Lee, S. W., Ilyani, A. B., Azmi, Y. N., & Raizamzamani, M. Z. M. (2019). *Deployable Tapered Three Stage Tensegrity Model*. Participate in Selangor R&D and Innovation Expo 2019, MITEC, Kuala Lumpur. Organized by Selangor State Secretary Office.

9. **Oh C. L.**, Lee S. W., Ilyani A. B., Azmi Y. N., and Raizamzamani M. Z. M., "Deployable Tapered Three Stage Tensegrity Model," Invention, Innovation & Design Exposition 2019 (IIDEX2019), 10-15 Sept 2019– **Silver Award**
10. Marzuki M. N. B., Mustapakamal W. N. B., Asmadi N. F. S. B., Azmi W. N. A. B. W., And **Oh C. L.**, "Flexural Behaviour of Green ECC Composite Beam Containing GGBS," 3rd Digitalised International Invention, Innovation And Design Johor (Diiid 2020), 27 Aug 2020, 2020. – **Silver Award**
11. Sukri N. B., Abdullah N. B., **Oh C.L.**, And Zain M. R. M., "Tensile Behaviour Of ECC Containing GGBS," Final Year Project & Postgraduate Poster Competition (FYPPPC) Series 1/2020, 6 Januari 2020, 2020. – **Gold Award**
12. Hishamuddin, N. B.; Oh, C. L.; Mohd Raizamzamani, M. Z., "HN Crete – Utilization of Waste Wood", Virtual Asia Innovation Show 2022, 5 - 6th March 2022 - **Silver Award**
13. Oh, C. L.; Balqis, B. M. Y.; Lee, S. W.; Mohd Raizamzamani, B. M. Z.; Thevaneyan, K. D.; Suhailah, M. N., "Massive Open Online Course-Structural Analysis," International e-Content Development Competition 2022 (eCondev2022), 30th Aug 2022, **Gold Award**

6.2 **OTHERS**

1. Anugerah Perkhidmatan Cemerlang 2016, Fakulti Kejuruteraan Awam, UiTM
2. Estic Young Icon Award, Mahsa University, 2018
3. Best Researcher Award, Fakulti Kejuruteraan Awam, UiTM, 2019
4. Blended Learning Award, Fakulti Kejuruteraan Awam, UiTM, 2020
5. Gold Special Medal, The 4th WORLD INVENTION ACADEMIC CONFERENCE (WIAC 2020) Korea Invention News, 2020
6. Best Presenter Award, World Congress on Science, Engineering & Technology 2021

SECTION 7: COMMITTEE

7.1 **Committee in National & International Event**

NAMA PERSIDANGAN	PENGANJUR/PENAJA	PERANAN	PERINGKAT	TARIKH
13TH INTERNATIONAL CONFERENCE ON CONCRETE ENGINEERING AND TECHNOLOGY 2016 <i>CONCET 2016</i>	UiTM, IEM, UM	AJK	ANTARABANGSA	31 MAY - 2 JUNE 2016
TIMBER CONSTRUCTION PINNACLE DAY 2017	MPIC UiTM, MTIB	AJK	KEBANGSAAN	22 MARCH 2017
PROGRAM KESARJANAAN FKA 2016	FKA UiTM	AJK	FAKULTI	17 DECEMBER 2016
FELDA 2.0 TIMBER DESIGN COMPETITION	MTIB, UiTM, FELDA	AJK	KEBANGSAAN	12 OCTOBER 2018
THE 12 TH ASIAN PACIFIC CONFERENCE ON SHELL AND SPATIAL STRUCTURES <i>APCS 2018</i>	USM, IASS, IEM	AJK	ANTARABANGSA	29-31 OCTOBER 2018

FOOT BRIDGE COMPETITION 2018	FKA UITM	AJK	KEBANGSAAN	6 MAY 2018
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7.2 Committee in Faculty/School

Date	Position	Committee	Description
1 APRIL 2016-31 JAN 2017	AHLI	JAWATANKUASA KELULUSAN DAN AKREDITASI EAC/OBE (KECIL) FKA	URUSAN AKREDITASI
MAC 2016 - JAN 2019	PENYELARAS KURSUS ECC584 INTEGRATED DESIGN PROJEK	FAKULTI	MENYELARASKAN AKTIVITI PEMBELAJARAN KURSUS ECC584
FEB 2016-2018	AHLI	KUMPULAN INISIATIF PENYELIDIKAN (RIG) ENTITI KECEMERLANGAN TIER 5 SCME	URUSAN AKTIVITI PENYELIDIKAN
1 JUN 2016 - 31 JAN 2017	AHLI	JAWATANKUASA JALINAN INDUSTRI, MASYARAKAT DAN ALUMNI (ICAN) FKA	URUSAN JALINAN INDUSTRI
MAC 2016 - 31 DIS 2020	AHLI	KUMPULAN BAGI PROJEK FCE IFEEX, FKA	URUSAN EXPOSITION
October 2017	Pengurus	Universiti	Pengurus sukan pelajar antara fakulti 2017
FEB 2016- JANUARI 2018	SETIAUSAHA	JAWATANKUASA LATIHAN PROFESIONAL, FKA	URUSAN LATIHAN PROFESIONAL PENSYARAH
1 FEB 2017-31 JAN 2019	AHLI	JAWATANKUASA KELULUSAN DAN AKREDITASI EAC/OBE (KECIL) FKA	URUSAN AKREDITASI
1 FEB 2017-31 JAN 2019	AHLI	JAWATANKUASA JALINAN INDUSTRI, MASYARAKAT DAN ALUMNI (ICAEN) FKA	URUSAN JALINAN INDUSTRI
SEP 2016 - JAN 2018	PROFESSIONAL TALK, PEMBENTANGAN PROJEK, PROGRAM SYARIKAT MENTOR	PENYELARAS ECC584	FAKULTI
18 NOVEMBER 2016	MMC CORPORATION BERHAD CAREER TALK	AJK	FAKULTI
22 MARCH 2017	NATIONAL TIMBER DESIGN COMPETITION IN PINNACLE DAY	PENASIHAT PELAJAR	KEBANGSAAN
2019-2021	PENGERUSI	AJK IDP	IDP MATTERS
2019-2023	PENGERUSI	JAWATANKUASA KELULUSAN DAN AKREDITASI EAC/OBE (KECIL) FKA	URUSAN AKREDITASI
2021-2023	PENGERUSI	COMPLEX PROBLEM	COMPLEX ENGINEERING PROBLEMS VETTING/QUALITY MATTERS

2022-2023	PENGERUSI	JAMINAN KUALITI	URUSAN KUALITI
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