

CURRICULUM VITAE



Date of Birth Nationality Marital Status	:	1 May 1984 Malaysian Married
Home Address	:	23, Jalan Perdana 2/5, Taman Sri Pulai Perdana 2, 81300 Johor Bahru, Johor, Malaysia
Tel	:	+6016 759 2058
E-mail	:	lywah@utm.my / limyaikwah@gmail.com
vvebsite	:	https://people.utm.my/lywah/

ACADEMIC QUALIFICATION

2011	:	Ph.D. Architecture
		Universiti Teknologi Malaysia
2008	:	B.Arch.
		Universiti Teknologi Malaysia
2005	:	Dip.Arch.
		Universiti Teknologi Malaysia

PROFESSIONAL EXPERIENCE

2019 - present:	Associate Professor, Faculty of Built Environment and Surveying (FABU), Universiti Teknologi Malaysia (UTM)
2021 - present:	Principal, Lim Yaik Wah Architect (SP/L 457)
2012 - 2019 :	Senior Lecturer, Faculty of Built Environment and Surveying, Universiti
	Teknologi Malaysia (UTM)
2017 - 2018 :	Project Architect, RDC Arkitek Sdn. Bhd.
2012 :	Postdoctoral Research Fellow, Faculty of Built Environment, UTM
2011 - 2012 :	Visiting Lecturer, School of Graduate Studies, UTM
2011 :	Research Assistant, Faculty of Built Environment, UTM
2009 - 2010 :	Teaching Assistant, Faculty of Built Environment, UTM
2006 - 2007 :	Practical Trainee, Vantage Architect Sdn. Bhd., Johor
2001 - 2002 :	Graphic Designer, The Store (M) Department Store, Ipoh

ADMINISTRATIVE EXPERIENCE

2021- present :	Deputy Director, Centre for the study of Built Environment in the Malay
	World (KALAM), UTM.
2017- present :	Coordinator of Building Science Laboratory, FABU, UTM
2021 :	Coordinator of the 3 rd Year Design Studio, FABU, UTM

2018 - 2019	:	Coordinator of the 3 rd Year Design Studio, FABU, UTM
2014 - 2017	:	Green Manager, FABU, UTM
2013 - 2017	:	Coordinator of Architecture Computer Studio, FABU, UTM
2013 - 2016	:	Coordinator of the 2 nd Year Design Studio, FABU, UTM

AWARDS AND HONORS RECEIVED

2021	:	Original Book Award (Science Technology and Medical), MAPIM-KPT 2019
2020	:	Original Book Award (Category Social Science), Citra Karisma, UTM.
2020	:	Service Quality Award, Excellence Award Ceremony, Faculty of Built Environment and Surveying UTM
2018	:	Best Presenter Award for International Conference on Civil
2018	:	Pertubuhan Akitek Malaysia (PAM) – ZSR Architecture Prize
2017	:	Best Paper Award for the 5 th International Conference on Research &
2017	:	Award of Excellence for Active Blended Learning Course (MBES2089- 01) – Universiti Teknologi Malaysia (UTM) Academic Leadership
2017	:	Award of Excellence for Active Blended Learning Course (SBEA3623- 01) – UTM Academic Leadership
2017	:	ArchiTALENT Student Design Competition (supervisor to the Grand Prize Winner) – Pertubuhan Akitek Malavsia (PAM)
2015	:	Excellent Service Award for Year 2014 – Citra Karisma, UTM
2014	:	Bronze Medal for the 16 th Industrial Art and Technology Exhibition (INATEX), UTM
2013	:	Best Technical Paper Award for International Conference on Sustainable Building Asia (SB13 SEOUL), Seoul, South Korea.
2013	:	Best Paper Award for the 1 st Asia Future Conference (AFC) 2013, Bangkok, Thailand
2010	:	2n ^d Prize Award and Best Presentation Award for 1Malaysia House Design Competition organised by Universiti Teknologi Mara Malaysia (UiTM)
2009	:	Best Paper Award for the 3 rd International Conference on Built Environment in Developing Countries
2008	:	Pertubuhan Akitek Malaysia (PAM) Academic Award
2008	:	Gold Medal Award (Dean's Award - B.Arch.)
2008	:	Best Student Award by Faculty of Built Environment, UTM
2006	:	PAM Johnson-Suisse Scholarship Award
2006	:	Honourable Mentioned Award for PAM Architecture Student Design Competition
2005	:	PAM Academic's Award
2005	:	Gold Medal Award (Dean's Award - Dip.Arch.)
2004	:	3 rd Prize Award - PAM Architecture Student Design Competition

JOURNAL EDITOR / EDITORIAL / ADVISORY PANEL

2014 - present:	Editorial Board Member, Journal of Daylighting (ISSN: 2383-8701),
	(SCOPUS-indexed)
2021 - present:	Scientific and Editor Board Member, Quantum Journal of Engineering,
	Science And Technology (QJOEST) (eISSN: 2716-634)

2015 - present:		International Scientific Advisory Committee for BIM Conference,
		Wessex Institute
2016	:	Editorial Board Member, SiA2015, Feb 2016

NATIONAL COMMITTEE / TASKFORCE

2022 - preser	nt:	External Assessor for BSc (Hons) in Architecture & M.Arch
2022 - preser	nt:	Academic Advisory Board (AAB) Member for Diploma in Virtual Design and Construction (VDC), UCSI University
2020 - preser	nt:	Appointment as Task Force Member for National Architectural Education Roadmap, Lembaga Arkitek Malaysia (LAM)
2019 - preser	nt:	Malaysian Structural Steel Association (MSSA) Education Committee
2020 - preser	nt:	Appointment as ERGS evaluation panel LITM
2020 picsei		Appointment as Proce evaluation parts, 6 mil.
2020		Appointment as Tevlewel for 5 Teal I fild Design, OCSI University.
2019	•	Appointment as Task Force Member for CAAEM Accreditation Visit,
0040		Faculty of Built Environment and Surveying, UTM
2018	:	Appointment as Panellist for Postgraduate Proposal and Progress
		Presentation, FABU, UTM
2017	:	Appointment as Interview Panel for M.Arch. Program Intake
		2017/18-1, Faculty of Built Environment, UTM
2017	:	Appointment as Interview Panel for BSc. Arch. Program Intake
		2017/18 Faculty of Built Environment LITM
2017		Appointment as GLIP Tier 1 2017/1 Proposal Technical Evaluation
2017	•	Dapal for Nicho Aroa of Decource Sustainability LITM
2016 2019		Appointment of Member of Ippovetion and Commercialisation
2010 - 2016	•	
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2016 - 2017	:	Appointment as Committee Member of Green Environmental Energy
		and Building Science International Conference 2017, Faculty of Built
		Environment, UTM
2016	:	Appointment as GUP Tier 2 2016/1 Proposal Technical Evaluation
		Panel for Niche Area of Resource Sustainability, UTM
2016	:	Appointment as Interview Panel for M.Arch. Program Intake
		2016/17-2. Faculty of Built Environment, UTM
2016	•	Appointment as Committee Member of GEEBS Colloquium 2016
2010	•	"Green Buildings and Architectural Education" Eaculty of Built
		Environment LITM
2015 2017		Appointment on Johan Bassarch Cront Champion JJTM 4 New 2015
2015 - 2017	•	Appointment as Japan Research Grant Champion, 011vi, 4 Nov 2015 -
		3 Nov 2017
2014	:	Appointment as Interview Panel for BSc. Arch. Program Intake
		2014/15, Faculty of Built Environment, UTM
2014	:	Appointment as Task Force Member for International Green
		Environment & Building Workshop, Faculty of Built Environment, UTM
2014	:	Appointment as Interview Panel for 'How to Get Yourself Employed'
		Program, Faculty of Built Environment, UTM
2013	•	Appointment as Interview Panel for M Arch. Program Intake
_0.0	•	2013/14-2 Faculty of Built Environment LITM
2013		Appointment as Task Force Member for External Examiners' Visit
2013	•	Department of Architecture Eaculty of Duilt Environment LITM
2012		Appointment of Architecture, Faculty of Dulit Environment, UTIVI
2013	•	Appointment as rask force internet for CAAEIN VISIT, Department of
0040		Architecture, Faculty of Built Environment, UTM
2013	:	Appointment as Task Force Member for Self-Assessment Report for
		M.Arch. Program, Faculty of Built Environment, UTM

2012	:	Appointment as Committee Member of International Seminar: Bridging between Old and New towards Future Sustainable Built Environment, Faculty of Built Environment, UTM
2012	:	Appointment as Task Force Member for Preparation of Working Paper for Migration of On-going B.Arch. Students (LAM Part I & II) to the New BSc. Arch (LAM Part I) and M Arch. (LAM Part II) Program
2012	:	Appointment as Task Force Member for the Preparation of COPPA for
-		M.Arch. Program, Faculty of Built Environment, UTM
2012	:	Appointment as Task Force Member for External Examiners' Visit, Department of Architecture, Faculty of Built Environment, UTM

# **INTERNATIONAL APPOINTMENT / COMMITTEE**

2022 :	External evaluator for Faculty Promotion, King Fahd University of Petroleum and Minerals, Saudi Arabia
2021 - present:	External Moderator for Course Portfolio, College of Architecture Engineering & Design, Kingdom University, Kingdom of Bahrain
2021 - present:	External Moderator for Final Examination Question Papers, College of Architecture Engineering & Design, Kingdom University, Kingdom of Bahrain
2020 - present:	Appointment as Member of International Scientific Advisory Committee for the 4 th International Conference on Building Information Modelling (BIM) in Design, Construction and Operations in Santiago de Compostela, Spain, 8 – 10 September 2021
2017 - 2019 :	Appointment as Member of International Scientific Advisory Committee for the $3^{rd}$ International Conference on Building Information Modelling (BIM) in Design, Construction and Operations in Seville, Spain, 9 – 11 October 2019
2017 - present:	Appointment as Reviewer for Building and Environment, Elsevier (ISI Indexed; Q1)
2020 - present:	Appointment as Reviewer for Journal of Building Engineering, Elsevier (ISI Indexed; Q1)
2020 : 2020 :	Appointment as Reviewer for Solar Energy, Elsevier (ISI Indexed; Q1) Appointment as Reviewer for Sustainable Cities and Society, Elsevier (ISI Indexed; Q1)
2015 - present:	Appointment as Reviewer for Indoor and Built Environment, SAGE Publications (ISI Indexed; Q2)
2015 - 2017 :	Appointment as Member of International Scientific Advisory Committee for the $2^{nd}$ International Conference on Building Information Modelling (BIM) in Design, Construction and Operations in Alicante, Spain, $10 - 12$ May 2017

# PROFESSIONAL MEMBERSHIP AND RECOGNITION

- i) Architect, Board of Architects Malaysia (LAM), Membership No.: A/L 457
- ii) GreenRE Accredited Professional, Registration No.: GreenREAP0338
- iii) Malaysian Green Building Confederation (MGBC) Academic Member No.: AD 0517
- iv) Certified Instructor for Autodesk Revit Architecture 2012 / 2015, Instructor ID: 74672
- v) CIDB MyBIM Centre Certified Instructor for Revit Architecture and Revit Structure

# TEACHING EXPERIENCES

### UNDERGRADUATE COURSES TAUGHT

SBEA 3169:Design 6 / 9 Credit Hours / Sem 2020/21-2SBEA 3413:Architectural Practice and Management / 3 Credit / Sem 2020/21-2SBEA 3623:CAD & BIM / 3 Credit Hours / Sem 2020/21-1SBEA 3623:Design 4 / 8 Credit Hours / Sem 2019/20-1SBEA 3169:Design 6 / 9 Credit Hours / Sem 2018/19-2SBEA 3163:Design 5 / 8 Credit Hours / Sem 2018/19-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2016/17-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2015/16-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2014/15-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/1	SBEA 3413	:	Architectural Practice and Management / 3 Credit / Sem 2021/22-2
SBEA 3413:Architectural Practice and Management / 3 Credit / Sem 2020/21-2SBEA 3623:CAD & BIM / 3 Credit Hours / Sem 2020/21-1SBEA 3623:Design 4 / 8 Credit Hours / Sem 2018/19-2SBEA 3169:Design 6 / 9 Credit Hours / Sem 2018/19-2SBEA 3158:Design 5 / 8 Credit Hours / Sem 2018/19-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2016/17-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2015/16-2SBEA 2148:Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2014/15-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBA 2863:CAD Application / 3 Credit Hours / Sem 20	SBEA 3169	:	Design 6 / 9 Credit Hours / Sem 2020/21-2
SBEA 3623:CAD & BIM / 3 Credit Hours / Sem 2020/21-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2018/19-2SBEA 3169:Design 5 / 8 Credit Hours / Sem 2018/19-1SBEA 3158:Design 5 / 8 Credit Hours / Sem 2016/17-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2015/16-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2015/16-1SBEA 2148:Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2014/15-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-1SBEA 2138:Design 4 / 8 Credit Hours / Sem 2012/13-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-2	SBEA 3413	:	Architectural Practice and Management / 3 Credit / Sem 2020/21-2
SBEA 2148:Design 4 / 8 Credit Hours / Sem 2019/20-1SBEA 3169:Design 6 / 9 Credit Hours / Sem 2018/19-2SBEA 3158:Design 5 / 8 Credit Hours / Sem 2018/19-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2016/17-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2015/16-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2015/16-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2014/15-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-5SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBEA 263:CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-1<	SBEA 3623	:	CAD & BIM / 3 Credit Hours / Sem 2020/21-1
SBEA 3169:Design 6 / 9 Credit Hours / Sem 2018/19-2SBEA 3158:Design 5 / 8 Credit Hours / Sem 2018/19-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2016/17-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2015/16-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2015/16-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2014/15-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 1223:Basic Architectural Computing / 3 Credit Hours / Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1 </td <td>SBEA 2148</td> <td>:</td> <td>Design 4 / 8 Credit Hours / Sem 2019/20-1</td>	SBEA 2148	:	Design 4 / 8 Credit Hours / Sem 2019/20-1
SBEA 3158Design 5 / 8 Credit Hours / Sem 2018/19-1SBEA 3623CADD & BIM / 3 Credit Hours / Sem 2016/17-1SBEA 2148Design 4 / 8 Credit Hours / Sem 2015/16-2SBEA 2138Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623CADD & BIM / 3 Credit Hours / Sem 2015/16-1SBEA 2148Design 4 / 8 Credit Hours / Sem 2014/15-2SBEA 2138Design 3 / 8 Credit Hours / Sem 2014/15-2SBEA 2138Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 3623CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2148Design 4 / 8 Credit Hours / Sem 2013/14-2SBEA 2863CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 1223Basic Architectural Computing / 3 Credit Hours/ Sem 2013/14-2SBEA 2138Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2863CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2148Design 4 / 8 Credit Hours / Sem 2012/13-2SBA 2863CAD Application / 3 Credit Hours / Sem 2012/13-2SBEA 2138Design 3 / 8 Credit Hours / Sem 2012/13-2SBEA 2138Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 2138Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 2138CAD Application / 3 Credit Hours / Sem 2012/13-1SBEA 2138CAD Application / 3 Credit Hours / Sem 2012/13-1SBEA 2138CAD Application / 3 Credit Hours / Sem 2012/13-1SBEA 2863CAD Appli	SBEA 3169	:	Design 6 / 9 Credit Hours / Sem 2018/19-2
SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2016/17-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2015/16-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2014/15-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2014/15-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 2138:Design 4 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 263:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 263:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 263:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBE	SBEA 3158	:	Design 5 / 8 Credit Hours / Sem 2018/19-1
SBEA 2148:Design 4 / 8 Credit Hours / Sem 2015/16-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2014/15-2SBEA 2148:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 1223:Basic Architectural Computing / 3 Credit Hours/ Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 263::CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863::CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863::CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863::<	SBEA 3623	:	CADD & BIM / 3 Credit Hours / Sem 2016/17-1
SBEA 2138:Design 3 / 8 Credit Hours / Sem 2015/16-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2014/15-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2014/15-1SBEA 2138:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 1223:Basic Architectural Computing / 3 Credit Hours / Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBEA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 3623:CAD Application / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & Design 3 /	SBEA 2148	:	Design 4 / 8 Credit Hours / Sem 2015/16-2
SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2015/16-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2014/15-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2014/15-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 1223:Basic Architectural Computing / 3 Credit Hours / Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 3623:CAD Application / 3 Credit Hours / Sem 2012/13-1SBEA 263:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2012/13-1	SBEA 2138	:	Design 3 / 8 Credit Hours / Sem 2015/16-1
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SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2014/15-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 1223:Basic Architectural Computing / 3 Credit Hours/ Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 3623:CAD Application / 3 Credit Hours / Sem 2012/13-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 2863:CADD & Design / 3 Credit Hours / Sem 2012/13-1	SBEA 2138	:	Design 3 / 8 Credit Hours / Sem 2014/15-1
SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-2SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-2SBEA 1223:Basic Architectural Computing / 3 Credit Hours/ Sem 2013/14-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBA 2863:CADD & Design 3 / 8 Credit Hours / Sem 2012/13-1	SBEA 3623	:	CADD & BIM / 3 Credit Hours / Sem 2014/15-1
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SBA 2863:CAD Application / 3 Credit Hours / Sem 2013/14-1SBEA 2148:Design 4 / 8 Credit Hours / Sem 2012/13-2SBA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-2SBEA 2138:Design 3 / 8 Credit Hours / Sem 2012/13-1SBEA 3623:CADD & BIM / 3 Credit Hours / Sem 2012/13-1SBA 2863:CAD Application / 3 Credit Hours / Sem 2012/13-1	SBEA 3623	:	CADD & BIM / 3 Credit Hours / Sem 2013/14-1
SBEA 2148    :    Design 4 / 8 Credit Hours / Sem 2012/13-2      SBA 2863    :    CAD Application / 3 Credit Hours / Sem 2012/13-2      SBEA 2138    :    Design 3 / 8 Credit Hours / Sem 2012/13-1      SBEA 3623    :    CADD & BIM / 3 Credit Hours / Sem 2012/13-1      SBA 2863    :    CAD Application / 3 Credit Hours / Sem 2012/13-1	SBA 2863	:	CAD Application / 3 Credit Hours / Sem 2013/14-1
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SBEA 3623      :      CADD & BIM / 3 Credit Hours / Sem 2012/13-1        SBA 2863      :      CAD Application / 3 Credit Hours / Sem 2012/13-1	SBEA 2138	:	Design 3 / 8 Credit Hours / Sem 2012/13-1
SBA 2863 : CAD Application / 3 Credit Hours / Sem 2012/13-1	SBEA 3623	:	CADD & BIM / 3 Credit Hours / Sem 2012/13-1
	SBA 2863	:	CAD Application / 3 Credit Hours / Sem 2012/13-1

#### POSTGRADUATE COURSES TAUGHT

MBEM 1113:Research Methodology / 3 Credit Hours / Sem 2021/22-2MBEA 1403:Contract, Law & Procurement / 3 Credit Hours / Sem 2021/22-2PBEM 1113:Research Methodology / 3 Credit Hours / Sem 2021/22-1MBEM 1113:Research Methodology / 3 Credit Hours / Sem 2021/22-1MBEA 1403:Contract, Law & Procurement / 3 Credit Hours / Sem 2021/22-1MBEA 1403:Contract, Law & Procurement / 3 Credit Hours / Sem 2021/22-1MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2019/20-1MBES 1023:Advanced Architectural Technology and Construction / 3 Credit Hours / Sem 2018/19-2MBES 1023:Advanced Architectural Technology and Construction / 3 Credit Hours / Sem 2018/19-1MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-2MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-1	PBEM 1113	:	Research Methodology / 3 Credit Hours / Sem 2021/22-2
MBEA 1403:Contract, Law & Procurement / 3 Credit Hours / Sem 2021/22-2PBEM 1113:Research Methodology / 3 Credit Hours / Sem 2021/22-1MBEM 1113:Research Methodology / 3 Credit Hours / Sem 2021/22-1MBEA 1403:Contract, Law & Procurement / 3 Credit Hours / Sem 2021/22-1MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2019/20-1MBES 1023:Advanced Architectural Technology and Construction / 3 Credit Hours / Sem 2018/19-2MBES 1023:Advanced Architectural Technology and Construction / 3 Credit Hours / Sem 2018/19-1MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-2MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-1	MBEM 1113	:	Research Methodology / 3 Credit Hours / Sem 2021/22-2
PBEM 1113:Research Methodology / 3 Credit Hours / Sem 2021/22-1MBEM 1113:Research Methodology / 3 Credit Hours / Sem 2021/22-1MBEA 1403:Contract, Law & Procurement / 3 Credit Hours / Sem 2021/22-1MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2019/20-1MBES 1023:Advanced Architectural Technology and Construction / 3 Credit Hours / Sem 2018/19-2MBES 1023:Advanced Architectural Technology and Construction / 3 Credit Hours / Sem 2018/19-1MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-2MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-1	MBEA 1403	:	Contract, Law & Procurement / 3 Credit Hours / Sem 2021/22-2
MBEM 1113:Research Methodology / 3 Credit Hours / Sem 2021/22-1MBEA 1403:Contract, Law & Procurement / 3 Credit Hours / Sem 2021/22-1MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2019/20-1MBES 1023:Advanced Architectural Technology and Construction / 3 Credit Hours / Sem 2018/19-2MBES 1023:Advanced Architectural Technology and Construction / 3 Credit Hours / Sem 2018/19-1MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-2MBES 2089:Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-1	PBEM 1113	:	Research Methodology / 3 Credit Hours / Sem 2021/22-1
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MBES 2089 : Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-1	MBES 2089	:	Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-2
	MBES 2089	:	Design Pre-Thesis 3 / 9 Credit Hours / Sem 2016/17-1

# **RESEARCH PROJECT UNDERTAKEN**

# SCEINCE FUND (MOSTI) RESEARCH PROJECT

2014 - 2016	:	Project	Leader	of	BIM-based	Process-driven	Decision-making	for
		Sustaina	ability. Bi	udg	et approved	RM 97,000 (4S10	06)	

### FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS FUND)

2019 - 2021	:	Project Leader of Computational Building Information Modelling-based
		Method for Green Retrofitting. Budget approved RM 65,200 (5F103)
2014 - 2017	:	Project Leader of BIM-GBI Model Development: Integrating Building
		Information Modelling and Green Building Certification in Malaysia.
		Budget approved RM 93,200 (4F665)
2014 - 2016		Project Member of Fundamental Stability Formulation for Shipping

2014 - 2016 : Project Member of Fundamental Stability Formulation for Shipping Container as Core Dwelling. Budget approved RM 84,000 (4F647)

### PROTOTYPE RESEARCH GRANT SCHEME (PRGS FUND)

- 2021 2023 : Project Leader of Computational Building Information Modelling (BIM)based Automated Green Building Evaluation System. Budget approved RM 180,000 (4L950)
   2014 - 2017 : Project Member of Sustainability Prototype for Retrofitting Commercial
- 2014 2017 : Project Member of Sustainability Prototype for Retrofitting Commercial Office Building through Post Occupancy Evaluation (e-RetroW). Budget approved RM 120,000 (4L673)

# INTERNATIONAL/ CONTRACT RESEARCH PROJECT

2021 - 2022	:	Project Leader of Daylighting and Natural Ventilation Design Guide for
		Apartments in Malaysia, RDC Arkitek Sdn. Bhd. Budget approved RM 30,000 (4C461)
2020 - 2021	:	Project Leader of Clean Water Supply for Indigeneous Community in
		Kampung Orang Asli Pasir Salam, Ulu Tiram, Johor, Malaysia, Centre
		for Community and Industry Network, Singapore. Budget approved RM
		165,516.20 (4J478)
2019 - 2021	:	Project Leader of Building Information Modelling (BIM) for Green
		Building Assessment and Industrialised Building System (IBS) Supply
		Chain Management, IJM Construction Sdn. Bhd.
		Budget approved RM 130,000
2019	:	Project Leader of Building Information Modelling (BIM) of 59-storey
		Commercial Building for Design Coordination and Analysis,
		RDC Arkitek Sdn. Bhd. Budget approved RM 20,000
2014 - 2015	:	Project Leader of Enhancing Indoor Environmental Performance of
		Green Mosque in Tropics, Institute Sultan Iskandar (ISI) – Mudra
		Tropika (MT) Short Term Grant. Budget approved RM 20,000

#### RESEARCH UNIVERSITY (GUP) / FUNDAMENTAL RESEARCH (UTM FR) PROJECT

2021 - 2023	:	Project Leader of Window Design to Enhance Daylighting and Thermal Performance in High-Rise Residential Building in Malaysia.
		Professional Development Research University Grant. Budget approved RM126,800 (05E74)
2020 - 2023	:	Project Member of Stiffness formulation of ISO container structure for residential building. Budget approved RM 79,000 (21H68)
2016 - 2018	:	Project Leader of Retrofitting Building Information Modelling (RBIM) for Sustainable Buildings. Budget approved RM 50,000 (13H40)
2018 - 2019	:	Project Member of development of property management visualization model through building information modelling (ProMav). Budget approved RM50,000 (04G16)
2015 - 2016	:	Project Member of Modular Construction of Prefab Building with ISO Shipping Container. Budget approved RM 42,500 (10H05)
2014 - 2015	:	Project Leader of Dynamic Shading as Daylight and Solar Control for High-Rise Office in Tropical Climate. Budget approved RM 38,808 (07H36)

2014 - 2015 : Project Member of The Cross-cultural Assimilation and Climatic Adaptation Aspects of the Peranakan Chinese House in East Coast Malaysia. Budget approved RM 40,000 (08H09) 2014 - 2015 : Project Member of Optimal Use of Natural Ventilation for High Rise Residential Building in Malaysia. Budget approved RM 20,000 (08H83) 2012 - 2013 : Project Leader of Green Bio-healthy House with Natural Lighting and Ventilation in Tropical Climate. Budget approved RM 32,000 (07J25) Project Member of Photovoltaic-vield Calculation Model for Building to 2012 - 2013 : Support the Use of PV Panel as Building Material in Asean Cities. Budget approved RM 32.000 (09J26) Project Member of Rapid Building-in-box System (RaBIB) for 2012 - 2015 : Sustainable Residential House. Budget approved RM 120,000 (03H76) Project Member of Smart Shading Device for Energy Saving in 2012 - 2013 :

### **INDUSTRY-INTERNATIONAL INCENTIVE GRANT (IIIG) RESEARCH PROJECT**

2020 - 2021		Project	Leader o	f Bu	ilding Informa	ation Modelling-	based Me	thod for
		Building	Sustaina	bility	Analysis. Ind	ustry-Internation	nal Incentiv	e Grant
		(IIIG UT	M). Budge	et ap	proved RM20,	000 (02M07)		
2019 – 2022	:	Project	Leader	of	BIM-based	Collaborative	Building	Design
		Process	and Coo	rdina	tion. Industry-	-International In	centive Gr	ant (IIIG
		UTM). B	udget app	prove	d RM10,000 (	(01M56)		

Tropics. Budget approved RM 130,000 (02H14)

### CONSULTANCY PROJECT (UTM)

2021 - 2022	:	Project Leader of GreenRE Service for Optimus Medini Apartment.
		Xlee Studio. Project value RM10,000
2020 - 2020	:	Project Member of Designing Conceptual Free or Low Maintenance
		Substation for PE, SSU and PPU, Tenaga Nasional Berhad. Project
		value RM 148,000
2019 - 2019	:	Project Member of BIM Proficiency Training. Project value RM 120,000
2016 - 2017	:	Project Member of Kuala Lumpur Low Carbon Society Blueprint 2030,
		Kuala Lumpur City Hall (DBKL). Project value RM 1,997,898 (4Y083)

# ARCHITECTURAL CONSULTANCY PROJECT

- 59-storey commercial building that consists of 2 towers of 48-storey service apartment (995 units), 1 tower of 23-storey hotel (338 rooms) and 11-storey of podium at Taman Century, Johor Bahru (under construction)
- ii) 2 towers of service apartment PRIMA at Taman Pelangi Indah, Johor Bahru (under construction)
- iii) 400 units of 4-storey retail shops and 8 units of retail kiosk at Taman Ekoflora (completed in 2020)
- iv) 3-storey sales office and gallery at Taman Century, Johor Bahru (completed in 2019)
- v) Double storey shop offices at Taman Seri Austin, Johor Bahru Involved in schematic design and design development (completed in 2007)

#### **INTELLECTUAL PROPERTY**

- i) Lim Yaik Wah, Light Shelf Industrial Design (MY15-E0224-0101)
- ii) Lim Yaik Wah, Mohd Hamdan Ahmad, Azurah A Samah, Hairuddin Abdul Majid, Muhamad Farhin Harun, Building Information Modelling-based Optimisation for Sustainability (BIMost) – Copyright (LY2017005539)
- iii) Azurah A Samah, Lim Yaik Wah, Hairuddin Abdul Majid, Muhamad Farhin Harun, Improved Archive Seletion For Active Archive Non-Dominated Sorting Genetic

Algorithm II (ANSGA-II) Using K-Nearest Neighbour (KNN) – Copyright (LY2018006287)

 Naimunah bt Sapri, Kherun Nita Ali, Umussaa'dah Adam, Nur Emma Mustaffa, Masitah Muhibudin, Mohd. Murtadha Mohamad, Ibrahim Atan Sipan, Lim Yaik Wah, Noorsidi Aizuddin Mat Noor, The conceptual framework of e-RetroW – Copyright (LY2019005490)

#### POSTGRADUATE SUPERVISION

#### PhD Student (Graduated)

- 1. Main Supervisor:
  - Ayoosu Moses Iorakaa (Graduated, 2022) Integrated Side-lit Fenestration for Daylight Optimisation of Lecture Theatre In Nigeria
  - Bouguerra Khalid (Graduated, 2022) Holistic Building Information Modelling Implementation Framework for the Algerian Architecture Engineering and Construction Industry
  - iii) Joshua Abimaje (Graduated, 2021)
    Light Shelf Geometry for Daylight and Lighting Energy Saving in Small Medium Enterprise Open Office Plan in Malaysia
  - iv) Muhammed Gambo Abdullahi (Graduated, 2020) Thermal Performance of Shaded Recessed Wall Façade of a Cellular Office Space in Johor Bahru, Malaysia
  - v) Markus Bulus (Graduated, 2020)
    Courtyard Design Variants for Optimum Indoor Thermal Performance of Single Storey Fully-enclosed Courtyard House in Temperate-dry Climate of Nigeria
  - vi) Modi Sule Zango (Graduated, 2020) Fully Enclosed Vegetated Courtyard in Hot Humid Tropics
  - vii) Christopher Heng Yii Sern (Graduated, 2017) Performance of Horizontal Light Pipe for Daylighting in High-rise Office Building in Tropical Region

#### 2. Co-supervisor:

- Taki Eddine Seghier (Graduated, 2019) Building Information Modelling-based Approach for Aspects of Green Building Evaluation
- ii) Olutobi Gbenga Ayegbusi (Graduated, 2019) Overall Thermal Transfer Value (OTTV) for Multi-storey Non-residential Building with Double Skin Façade in Tropical Climates
- iii) Sayed Mohammad Mousavi (Graduated, 2017) Interior Retrofit for Efficient Tropical Daylighting in Home Office Workspaces
- iv) Narciss Karimi (Graduated, 2016) Integrated Photovoltaic Shading Device for High-rise Building in Tropical Climate

### Master of Philosophy Student (Graduated)

#### 1. Main Supervisor:

- David Bolu Dalumo (Graduated, 2021) Dynamic Shading Device Design with Computational Building Information Modelling for Multistorey Office Building in Tropical Climate
- ii) Ahmad Jalal Ahmad Aljamal (Graduated, 2020) Building Information Modelling Adoption in Jordanian Architectural Practice

# Master of Architecture Student (Graduated)

#### 1. Main Supervisor:

- Amirah Nurbalqis binti Mohamad Riza (Graduate, 2022) Improving Environmental Quality of Hybrid Home and Working Spaces for User Comfort
- ii) See Toh Yee Mee (Graduated, 2021) Courtyard as Daylight Design Strategy for Retail Building in Tropical Climate
- iii) Khasrul Hanif Hazirin (Graduated, 2020) Architectural Strategies for a Daylit Office Environment in Tropics
- iv) Cheah Hui Yi (Graduated, 2017) Integration of Algae System in Building Façade Design
- v) Chu Shu Ern (Graduated, 2017) Urban Apiology Research Centre
- vi) Chuah Pei Jin (Graduated, 2016) Thermal and Daylighting Performance of High-rise Office Building Sky Terrace in the Tropic

# Postdoctoral Fellowship (Ongoing)

#### 1. Main Supervisor:

 Najib Taher Ahmed Al-Ashwal (Ongoing) Window Design to Enhance Daylighting and Thermal Performance in High-Rise Residential Building in Malaysia

# PhD Student (Ongoing)

- 1. Main Supervisor:
  - MD Shafique Rahman (Ongoing) Alternative Building Material For Low Embodied Energy Building In The Tropical Climate
  - ii) Hauwa Olabisi Yusuf (Ongoing) Internet of Things and Building Information Modelling based Post Occupancy Evaluation of Green Buildings in Nigeria
  - iii) Ahmad Abdullahi Maikano (Ongoing)

Building Information Modelling-based Sustainable Building Energy Retrofit Strategy for Universities in Nigeria

- iv) David Bolu Dalumo (Ongoing) Computational Modelling Approach to Facade Optimization for High-Rise Building Envelopes in Tropical Climate
- v) Hameedi Waleed Saad Hameedi (Ongoing) Green retrofitting of existing buildings
- 2. Co-supervisor:
  - Liu Jiachun (Ongoing) Research on the Culture and Craftsmanship of the Traditional Color Paintings on Architecture in Chaoshan
  - Philip Ling Chie Hui (Ongoing) Alternative Building Material For Low Embodied Energy Building In The Tropical Climate

# **POSTGRADUATE EXAMINATION / VIVA**

### **UTM STUDENTS VIVA / EXAMINATION**

- i) Examiner for M.Arch. Final Design Thesis Assessment 2020/21-1
- ii) Examiner for M.Arch. Final Design Thesis Assessment 2019/20-1
- iii) Examiner for M.Arch. Final Design Thesis Assessment 2018/19-2
- iv) Examiner for M.Arch. Final Design Thesis Assessment 2018/19-1
- v) Examiner for M.Arch. Final Design Thesis Assessment 2016/17-2
- vi) Examiner for M.Arch. Final Design Thesis Assessment 2016/17-1
- vii) Assistant Chairman of the Ph.D. Viva Panels for Mehdi Ghafouri, Jul 2016
- viii) Assistant Chairman of the Ph.D. Viva Panels for Behran Moardi, May 2016
- ix) Assistant Chairman of the Ph.D. Viva Panels for Mahdi Torabi, Apr 2016
- x) Examiner for M.Arch. Final Design Thesis Assessment 2015/16-2
- xi) Examiner for M.Arch. Final Design Thesis Assessment 2015/16-1
- xii) Assistant Chairman of the Ph.D. Viva Panels for Tareq Gaber Abdo Farea, Sep 2014
- xiii) Assistant Chairman of the Ph.D. Viva Panels for Theong May Chuan, Mar 2014
- xiv) Examiner for M.Arch. Final Design Thesis Assessment 2014/15-2
- xv) Examiner for M.Arch. Final Design Thesis Assessment for 2014/15-1
- xvi) Examiner for M.Arch. Final Design Thesis Assessment for 2013/14-2
- xvii) Examiner for M.Arch. Final Design Thesis Assessment for 2013/14-1
- xviii) Examiner for M.Arch. Final Design Thesis Assessment for 2012/13-2
- xix) Examiner for M.Arch. Final Design Thesis Assessment for 2012/13-1

#### Ph.D EXTERNAL EXAMINER

i) Laloui Hamza, The Effects of Void Combinations at High-Rise Residential Building to the Natural Ventilation Performance in the Living Units, International Islamic University Malaysia (IIUM), 2020

#### Ph.D INTERNAL EXAMINER

i) Muhammed Abdullah Al Sayem Khan, Indoor environment of factory in terms of fire and heath safety at Bangladesh, 2022

- ii) Robby Dwiko Juliardi, Strategy Towards the Green Building Achievement on Renovation and Retrofitting in Indonesia, 2020
- iii) Abu Bakar Abd Hamid, The State of Readiness of the Interior Design Industry in the Adoption of Building Information Modelling in Malaysia, 2019

#### M.SC / M.PHIL INTERNAL EXAMINER

- i) Tan Hui Ping, The Preference of Surrogate Window and View in the Windowless Office, 2020
- ii) Yasir Salam Kadhim, Tinted Glass as Alternative to Deep Shading in Hot Arid Climate, 2018
- iii) Mesloub Abdelhakim, Daylighting Design in Algerian Public Schools, August 2015.
- iv) Tareq H. M. Nemer, The Implementation of Green Building Concepts in Hot Dry Climates with a Case Study at Ajman University of Science and Technology, UAE, March 2015

### PUBLICATIONS AND PAPER PRESENTED

#### SCOPUS Author ID: 56500760200 (h-index: 9)

### THESIS

- 1) Lim, Y.W. (2011). Internal Shading for Efficient Tropical Daylighting in High-rise Open Plan Office. Doctor of Philosophy, Faculty of Built Environment, Universiti Teknologi Malaysia.
- 2) Lim, Y.W. (2008). New Working Environment: Shared Workplace. B.Arch. Thesis. Universiti Teknologi Malaysia, Skudai, Malaysia.

#### **ORIGINAL BOOK**

- 1) Lim, Y.W. (2019). Tropical Daylighting for Working Environment, UTM Press, Johor Bahru, Malaysia. ISBN: 978-983-52-1620-6
- Jabatan Kerja Raya Malaysia and Universiti Teknologi Malaysia (2012). Daylighting Design Guidelines for Office Buildings in Malaysia. Kuala Lumpur, Malaysia: JKR and UTM. ISBN: 978-967-5957-10-9

#### **BOOK CHAPTER**

- Seghier, T.E., Ahmad, M.H., Lim, Y.W. and Harun, M.F. (2020). Data Management Using Computational Building Information Modeling for Building Envelope Retrofitting. In: Smart and Sustainable Cities and Buildings. 207-218. Springer Link. ISBN: 978-3-030-37634-5
- Lim, Y.W., and Sediadi, E. (2017). Modern and Traditional Approaches for Sustainable Architecture in Malaysia. In: Toward future sustainable built environment series 2 [Book Chapter]. Johor Bahru, Malaysia: UTM Press. ISBN: 978-983-52-1438-7
- 3) Lim, Y.W., Mohd Hamdan, A. and Syed Iskandar, A. (2014). University-industry Research Collaboration on Development of Green Mosque Design. In: Toward the Future of Asia: My Proposal [Book Chapter]. Tokyo, Japan: Sekiguchi Global Research Association & Atsumi International Foundation. ISBN: 978-4-902928-12-9
- 4) Lim, Y.W. (2013). Solar Radiation Simulation on Proposed UTM Iconic Building. In: The UTM Iconic Project: A New Direction in the Ideals of Architecture [Book Chapter]. Johor Bahru, Malaysia: Institute Sultan Iskandar, Universiti Teknologi Malaysia. ISBN: 978-983-2466-15-4
- 5) Lim, Y.W. (2012). Building Modelling and Simulation for Green Building Design. In: Sustainability in Built Environment I [Book Chapter]. Johor Bahru, Malaysia: Institute Sultan Iskandar, Universiti Teknologi Malaysia. ISBN: 978-983-2466-10-9

### EXPERT REPORT/ POLICY PAPER

- UTM-Low Carbon Asia Research Centre (2017). 70 by 30: A greener better Kuala Lumpur – Kuala Lumpur Low Carbon Society Blueprint 2030 - Summary for Policymakers (2nd Edition). [Policy Paper]. Kuala Lumpur, Malaysia: Dewan Bandaraya Kuala Lumpur.
- UTM-Low Carbon Asia Research Centre (2017). Kuala Lumpur Low Carbon Society Blueprint 2030 Interim Report [Technical Report]. Kuala Lumpur, Malaysia: Dewan Bandaraya Kuala Lumpur.
- UTM-Low Carbon Asia Research Centre (2016). Kuala Lumpur Low Carbon Society Blueprint 2030 Baseline Study [Technical Report]. Kuala Lumpur, Malaysia: Dewan Bandaraya Kuala Lumpur.

### JOURNAL ARTICLE

- 1) Lim, Y.W., Ling, P.C.H., Tan, C.S., Chong, H.Y. and Thurairajah, A. (2022). Planning and coordination of modular construction. Automation in Construction. 141, 104455. [WoS Indexed; IF 10.517]
- Seghier, T.E., Lim, Y.W., Harun, M.F., Ahmad, M.H., Samah, A.A., Majid, H.A. (2022). BIM-based retrofit method (RBIM) for building envelope thermal performance optimization. Energy and Buildings. 256, 111693. [WoS Indexed; IF 7.201]
- 3) Lim, Y.W., Chong, H.Y., Ling, P.C.H., Tan, C.S. (2021). Greening Existing Buildings through Building Information Modelling: A Review of the Recent Development. Building and Environment. 200, 107924. [WoS Indexed; IF 7.093]
- 4) Lim, Y.W., Ling, P.C.H., Ahmad, M.H., Leng, P.C., Yasir, A.M., Chan, W.L. and Rahman, N.A. (2021). Review of BIM for existing building sustainability performance and green retrofit. International Journal of Sustainable Building Technology and Urban Development. 12(2), 110-125 [SCOPUS Indexed]
- 5) Ayoosu, M.I., Lim, Y.W., Leng, P.C. and Idowu O.M. (2021). Daylighting Evaluation and Optimisation of Window to Wall Ratio for Lecture Theatre in the Tropical Climate. Journal of Daylighting. 8, 20-35 [SCOPUS Indexed]
- 6) Dalumo, D. and Lim, Y.W. (2021). Comparative Study on Computer Simulation of Solar Shading Performance with Heliodon and Artificial Sky. Journal of Daylighting. 8, 50-64 [SCOPUS Indexed]
- Heng, C.Y.S., Lim, Y.W. and Ossen, D.R. (2020). Horizontal light pipe transporter for deep plan high-rise office daylighting in tropical climate. Building and Environment. 171. DOI: 10.1016/j.buildenv.2020.106645 [WoS Indexed; IF 4.971]
- 8) Bouguerra, K., Lim, Y.W. and Ali, K.N. (2020). An Investigation of the Challenges and the Best Practices of BIM Implementation in the Algerian AEC Industry. International Journal of Advanced Science and Technology. 29(2), 287-300.
- 9) Joshua, A., Lim, Y.W. (2020). Daylighting And Lighting Energy Saving In South-Oriented Open-Plan Office With Light Shelf In The Tropics. European Journal of Molecular & Clinical Medicine. 7(3), 723-744. [SCOPUS Indexed]
- 10) Bouguerra, K., Lim, Y.W. and Ali, K.N. (2020). A Preliminary Implementation Framework of Building Information Modelling (BIM) in the Algerian AEC Industry. International Journal of Built Environment and Sustainability. 7(3), 59-68. [WoS Indexed]
- 11) Ayoosu, M.I., Lim, Y.W. and Leng, P.C. (2020). Daylighting Performance Assessment of Side-Lit University Lecture Theatres in the Hot-Humid Climate of Makurdi in Nigeria. International Journal of Recent Technology and Engineering. 8(5), 4584-4589.
- 12) Ayoosu, M.I., Lim, Y.W., Leng, P.C. Aule, T.T. and Gabriel, K.E. (2020). Assessment of Passive Architectural Strategies for Natural Ventilation in Libraries within Hot-Humid Climate. International Journal of Scientific Research in Science, Engineering and Technology. 7(1), 60-72.
- 13) Abdelhakim, M., Kandar, M.Z. and Lim, Y.W. (2019). Experimental investigation of overall energy performance in Algerian office building integrated photovoltaic window under semi-arid climate. Journal of Daylighting. 6, 23-41. DOI: 10.15627/jd.2019.3 [SCOPUS Indexed]

- 14) Seghier, T.E., Ahmad, M.H. and Lim, Y.W. (2019). Automation of Concrete Usage Index (CUI) assessment using computational BIM. International Journal of Built Environment and Sustainability. 6(1), 23-30. [WoS Indexed]
- 15) Abdelhakim, M., Lim, Y.W. and Kandar, M.Z. (2019). Optimum Glazing Configurations for Visual Performance in Algerian Classrooms under Mediterranean Climate. Journal of Daylighting. 6, 11-22. DOI:10.15627/jd.2019.2 [SCOPUS Indexed]
- 16) Iorakaa, A.M. and Lim, Y.W. (2019). Impact of Adjacency of Spaces in Fire Service Station on Fire Crew Response Time. International Journal of Scientific Research in Science, Engineering and Technology. 6(2), 521-535. DOI:10.32628/ IJSRSET1962148
- 17) Lim, Y.W., Majid, H.A., Samah, A.A., Ahmad, M.H., Ossen, D.R., Harun, M.F., Shahsavari, F. (2018). BIM and Genetic Algorithm optimization for sustainable building envelope design. International Journal of Sustainable Development and Planning. 13(1), 151-159. DOI: 10.2495/SDP-V13-N1-151-159 [SCOPUS Indexed]
- 18) Mousavi, S.M., Khan, T.H. and Lim, Y.W. (2018). Impact of Furniture Layout on Indoor Daylighting Performance in Existing Residential Buildings in Malaysia. Journal of Daylighting. 5, 1-13. DOI:10.15627/jd.2018.1 [SCOPUS Indexed]
- 19) Seghier, T.E., Ahmad, M.H., Lim, Y.W., Williams O. (2018). Integration Models of Building Information Modelling and Green Building Rating Systems: A Review. Advanced Science Letters. 24(6), 4121-4125. [WoS Indexed]
- 20) Abudllahi, M.G., Kandar, M.Z., Lim, Y.W. (2018). Thermal Performance of Bared and Recessed Façade Window Shading Typology in a Hot and Humid Climate. Advanced Science Letters 24(6), 3825-3831. [WoS Indexed]
- 21) Abdullahi, M.G., Kandar, M.Z., Lim, Y.W., Kamal, M.A. and Ashiru, A.T. (2017). Exploratory Survey of Recessed Window Façade Shading in Johor Bahru Malaysia. Chemical Engineering Transactions. 56, 1807-1812. DOI: 10.3303/CET1756302 [SCOPUS Indexed]
- 22) Bulus, M., Lim, Y.W., Hamid, M. (2017). Microclimate performance of courtyard residential buildings in Kafanchan-Nigeria. Journal of Advanced Research Design. 37(1), 16-25.
- 23) Bulus, M., Lim, Y.W., Hamid, M. (2017). A study on the microclimate performance of courtyard and non-courtyard residential buildings in hot-arid climate. Journal of Advanced Research in Applied Sciences and Engineering Technology. 9(1), 1-13.
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- 25) Bulus, M., Hamid, M. and Lim, Y.W. (2017). Microclimatic Performance of Courtyards in Residential Buildings in Kafanchan-Nigeria. International Journal of Built Environment and Sustainability. 4(3), 220-226.DOI: 10.11113/ijbes.v4.n3.215 [WoS Indexed]
- 26) Bulus, M., Hamid, M. and Lim, Y.W. (2017). Courtyard as a Passive Cooling Strategy in Buildings. International Journal of Built Environment and Sustainability. 4(1), 48-55. DOI: 10.11113/ijbes.v4.n1.159 [WoS Indexed]
- 27) Lim, Y.W. and Heng, C.Y.S. (2016). Dynamic internal light shelf for tropical daylighting in high-rise office buildings. Building and Environment. 106, 155-166. DOI:10.1016/j.buildenv.2016.06.030 [SCOPUS & WoS Indexed; IF 3.394; Q1]
- 28) Mousavi, S.M., Khan, T.H. and Lim, Y.W. (2016). Empirical validation of Radiance-IES daylight simulation for furnished and unfurnished rooms under a tropical sky. International Journal of Sustainable Building Technology and Urban Development. 7(1), 61-69. DOI:10.1080/2093761X.2016.1167646 [SCOPUS Indexed]
- 29) Mousavi, S.M., Khan, T.H. and Lim, Y.W. (2016). A Critical Review of User Fit-out in Habitable Rooms in High-Rise Residential Apartments in Malaysia. Asian Social Science. 12(2), 184-194. DOI: 10.5539/ass.v12n2p184 [SCOPUS Indexed]

- 30) Heng, C.Y.S, Ossen, D.R. and Lim, Y.W. (2016). Light Pipe Transporter for High-rise Office Building in Tropical Climate. International Journal of Built Environment and Sustainability. 3(1), 36-44. DOI: 10.11113/ijbes.v3.n1.108 [WoS Indexed]
- 31) Abdullahi, M.G., Kandar, M.Z., Lim, Y.W. and Usman, A.J. (2016). Perspectives on Heat Index and Climate Change on Thermal Comfort and Human Health. International Journal of Scientific Research in Science, Engineering and Technology. 2(4), 7-15.
- 32) Lim, Y.W. (2015). Building Information Modeling for Indoor Environmental Performance Analysis. American Journal of Environmental Sciences. 11(2), 55-61. DOI: 10.3844/ajessp.2015.55.61 [SCOPUS Indexed]
- 33) Lim, Y.W. and Mohd Hamdan, A. (2015). The Effects of Direct Sunlight on Light Shelf Performance under Tropical Sky. Indoor and Built Environment. 24(6), 788-802. DOI:10.1177/1420326X14536066 [SCOPUS & WoS Indexed; IF 1.225; Q1]
- 34) Karimi, N., Sediadi, E. and Lim, Y.W. (2015). Performance Analysis of Photovoltaic Panel Shading on Energy Demand in Tropics. Australian Journal of Basic and Applied Sciences. 9(24), 30-34.
- 35) Abdullahi, M.G., Kandar, M.Z. and Lim, Y.W. (2015). Framework for Heat Gain Minimization through Recessed Window Shading Façade. Advances in Architecture, City and Environment, 1(5), 1-9.
- 36) Karimi, N., Sediadi, E. and Lim, Y.W. (2015). Energy saving in residential apartments by using PV shading. International Journal of Applied Engineering Research. 10(15), 36012-36015. [SCOPUS Indexed]
- 37) Lim, Y.W. (2014). Dynamic Daylight and Solar Control in Tropical Climate. American Journal of Applied Sciences. 11(10), 1766-1772. DOI: 10.3844/ajassp.2014.1766.1772 [SCOPUS Indexed]
- 38) Lim, Y.W. (2014). Evaluation on sustainability and occupants' perceived health in Malaysian terraced houses. International Journal of Sustainable Building Technology and Urban Development. 5(2), 128-134. DOI:10.1080/2093761X.2014.883579 [SCOPUS Indexed]
- 39) Lim, Y.W. (2013). Indoor Environmental Comfort in Malaysian Urban Housing. American Journal of Environmental Science. 9(5), 431-438. DOI:10.3844/ajessp.2013.431.438 [SCOPUS Indexed]
- 40) Lim, Y.W., Mohd Hamdan, A. and Ossen, D.R. (2013). Internal Shading for Efficient Tropical Daylighting in Malaysian Contemporary High-rise Open Plan Office. Indoor and Built Environment. 22(6), 932–951. DOI: 10.1177/1420326X12463024 [SCOPUS & WoS Indexed; IF 1.716; Q1]
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- Lim, Y.W., Mohd Zin, K., Mohd Hamdan, A., Ossen, D.R. and Aminatuzuhariah, M.A. (2012). Building Façade Design for Daylighting Quality in Typical Government Office Building. Building and Environment. 57, 194-204. DOI: 10.1016/j.buildenv.2012.04.015 [SCOPUS & WoS Indexed; IF 2.4; Q1]
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# KEYNOTE/ INVITED SPEAKER

 Lim, Y.W., Seghier, T.E., Ahmad, M.H., Leng, P.C., Yasir, A.M., Rahman, N.A., Chan, W.L., Mahdzar, S.S.S. (2021). Green Building Design and Assessment with Computational BIM: The Workflow and Case Study. WIT Transactions on The Built Environment, 205, 3-13. [SCOPUS Indexed]

- Lim, Y.W. (2021). Building Information Modelling for Sustainable and Integrated Design. Keynote speech in 2nd International Conference on Geotechnical, Civil Architectural and Safety Engineering (GCASE 2021). 16-18 July 2021, Xi'an, China.
- 3) Lim, Y.W. (2021). Integrated project delivery with building information modeling (BIM). KALAM International Virtual Seminar 2/2021, 3 Jun 2021.
- 4) Lim, Y.W., Seghier, T.E., Harun, M.F., Ahmad, M.H., Samah, A.A., Majid, H.A. (2019). Computational BIM for Green Retrofitting of Existing Building Envelope. WIT Transactions on The Built Environment, 192, 33-44. [SCOPUS Indexed]
- 5) Lim, Y.W., Majid, H.A., Samah, A.A., Ahmad, M.H., Ossen, D.R., Harun, M.F., Shahsavari, F. (2017). BIM and Genetic Algorithm optimization for sustainable building envelope design. Proceedings of the 2nd Building Information Modelling (BIM) in Design, Construction and Operations. 10-12 May, Alicante, Spain.
- 6) Lim, Y.W. (2017). BIM for Building Sustainability Analysis. 27-29 November 2017. ISITC, UTM KL, Malaysia.
- 7) Lim, Y.W. (2017). Introduction to Building Information Modelling. In the 1st International Workshop in Innovation on Construction Management and Economics. 27 September 2017. Faculty of Built Environment, UTM.
- 8) Lim, Y.W. (2017). 3-day Workshop on Revit for BIM Authoring Essential Training. 24-26 July 2017. Faculty of Built Environment, UTM JB, Malaysia.
- 9) Lim, Y.W. (2016). Autodesk Revit Basic Training Workshop. 11 March 2016. International Student Society (ISS), UTM JB, Malaysia.
- 10) Lim, Y.W. (2016). BIM Authoring and Analysis Essential Training. 18-21 January 2016. ISITC, UTM JB, Malaysia.
- 11) Lim, Y.W. (2015). BIM for Building Sustainability Analysis. 24-25 August 2015. ISITC, UTM KL, Malaysia.
- 12) Lim, Y.W. (2015). Autodesk Revit Architecture 2015 Intermediate/Advanced Training. 10-13 August 2015. ISITC, UTM KL, Malaysia.
- 13) Lim, Y.W. (2014). Tropical Design. 1 October 2014. Graduate School of Studies, UTM, Johor.
- Lim, Y.W. (2013). Application of Daylighting Design Guidelines for Office Buildings in Malaysia. Workshop on Daylighting Design Guidelines for Office Buildings in Malaysia, 4 July 2013. Premeira Hotel, Kuala Lumpur, Malaysia.
- 15) Lim, Y.W. (2012). Autodesk Revit Architecture 2012 Essential Training. 20-22 December 2012. ATC, UTM Kuala Lumpur, Malaysia.
- 16) Lim, Y.W. (2012). Building Modelling and Simulation Research Methodology. 17 October 2012. FAB, UTM, Johor.
- 17) Lim, Y.W. (2012). Autodesk Revit Architecture 2012 Essential Training. 4-6 June 2012. ATC, UTM Kuala Lumpur, Malaysia.
- Lim, Y.W. (2011). Daylighting Design & Analysis: Measurement vs. Simulation. JKR-UTM Collaborative Research Seminar. 17-18 November 2011. Quality Hotel, Kuala Lumpur, Malaysia.

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- Seghier, T.E. and Lim, Y.W. (2022). A BIM-based Method for Building Energy Intensity (BEI) Evaluation. Lecture Notes in Civil Engineering. 201, 365-372. [SCOPUS Indexed]
- Seghier, T.E. Khosakitchalert, C. and Lim, Y.W. (2022). A BIM-based Method to Automate Material and Resources Assessment for the Green Building Index (GBI) Criteria. Lecture Notes in Civil Engineering. 201, 527-536. [SCOPUS Indexed]
- Joshua, A. and Lim, Y.W. (2021). Investigation of the suitability of integrated environmental solution virtual environment for daylighting study in the tropical climate. International Graduate Conference of Built Environment & Surveying (GBES 2021). 22-23 Jun 2021, Johor Bahru, Malaysia.
- 4) Ayoosu, M.I., Lim, Y.W., Leng, P.C., Aule, T.T., Abdurrahman, A.B. and Aminu, S. (2021). Investigation of tropical daylight availability and sky typologies for daylighting

evaluation and design. International Graduate Conference of Built Environment & Surveying (GBES 2021). 22-23 Jun 2021, Johor Bahru, Malaysia.

- 5) Rui, Y., Lim, Y.W., and Tan, C.S. (2021). Review of smart construction based on building information modeling technology. International Graduate Conference of Built Environment & Surveying (GBES 2021). 22-23 Jun 2021, Johor Bahru, Malaysia.
- 6) Ayoosu, M.I. and Lim, Y.W. (2019). Daylighting Performance of Side-Lit University Lecture Theaters In Makurdi- Nigeria. 1st International Graduate Conference of Built Environment and Surveying (GBES 2019). 24-25 June, Johor Bahru, Malaysia.
- 7) Aljamal, A., Lim, Y.W. and Khalid, B. (2019). Current Status and Perspectives of the BIM Adoption In Jordanian Architecture Industry: Challenges and Opportunities. 1st International Graduate Conference of Built Environment and Surveying (GBES 2019). 24-25 June, Johor Bahru, Malaysia.
- 8) Dalumo, D.B., Lim, Y.W. and Fadhlina, A.T. (2019). Computational BIM for Green Building Design. 1st International Graduate Conference of Built Environment and Surveying (GBES 2019). 24-25 June, Johor Bahru, Malaysia.
- 9) Bouguerra, K., Lim, Y.W., Ali, K.N., Aljamal, A.J.A. (2019). A Pilot Study: Investigation of the Current Practices and the Feasibility of BIM Implementation in Algerian AEC Industry. 1st International Graduate Conference of Built Environment and Surveying (GBES 2019). 24-25 June, Johor Bahru, Malaysia.
- Zango, M.S., Lim, Y.W., Toe, D.H.C., Festus, A.A. and Inikpi, A.M. (2019). Assessment of Courtyard Environmental Conditions for Midrise Buildings in Tropical Climate. 1st International Graduate Conference of Built Environment and Surveying (GBES 2019). 24-25 June, Johor Bahru, Malaysia.
- 11) Rui, Y. and Lim, Y.W. (2019). Construction Project Management Based on Building Information Modeling (BIM). 1st International Graduate Conference of Built Environment and Surveying (GBES 2019). 24-25 June, Johor Bahru, Malaysia.
- Lim, Y.W., Seghier, T.E., Harun, M.F., Ahmad, M.H., Samah, A.A. and Majid, H.A. (2018). Computational BIM for Building Envelope Sustainability Optimization. 2018 International Conference on Civil Engineering and Architecture. 27-29 Oct, Chengdu, China.
- Lim, Y.W. (2017). BIM-based Sustainable Building Design Process and Decisionmaking. In: IEEE Xplore. 5th International Conference on Research and Innovation in Information Systems (ICRIIS). 16-17 July, Langkawi, Malaysia. [SCOPUS and WoS Indexed]
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# INDUSTRIAL / INTERNATIONAL NETWORKING

- i) Memorandum of Understanding (MoU) between GreenRE Sdn. Bhd. and Universiti Teknologi Malaysia (2022)
- ii) Memorandum of Understanding (MoU) between RDC Arkitek Sdn. Bhd. and Universiti Teknologi Malaysia (Signed on 13 Mar 2019)
- iii) Industrial Training as Project Architect at RDC Arkitek Sdn. Bhd., Johor Bahru, Johor, Malaysia (Aug 2017 Jul 2018)
- iv) Research Collaboration with University of the West of England (UWE), Bristol, UK (Professor Lamine Mahdjoubi) - Retrofitting Building Information Modelling (RBIM) for Sustainable Buildings (2016 – 2018)
- v) Research Advisor of MIT-UTM Malaysia Sustainable Cities Program (MSCP). This program was conducted in collaboration with Massachusetts Institute of Technology (MIT), US (2014 2015)