



CURRICULUM VITAE



Profesor Dr Omar bin Yaakob

SUMMARY

Professor Omar is now a Profesor in Marine Technology in the School of Mechanical Engineering, Universiti teknologi Malaysia and a Research Fellow at UTM Marine Technology Centre.

He started his career at Universiti Teknologi Malaysia (UTM) as an Assistant Lecturer in the Department of Thermal Fluids, Faculty of Mechanical Engineering in August 1983. While in the service he continued his studies and completed a Masters Degree in Marine Technology in 1987 and a Ph.D in Seakeeping Design in 1999 at the University of Newcastle. He was appointed an Associate Professor in 2000 and a Professor in 2011.

In the early stages of his career at UTM, Professor Omar focussed on teaching and R&D in the fields of naval architecture, ship design, hydrodynamics, marine transportation, management and operation. In the early 2000s, he moved on to pioneer a new field in Malaysia: ocean renewable energy and marine environment. His acknowledged experience and expertise in this field led to an invitation to represent Malaysia in a forum on ocean renewable energy at the headquarters of the United Nations in New York in 2012. He has also represented Malaysia several times at meetings of the World Maritime Organisation (IMO) on marine environment protection since 2010.

He has held the post of Head of the Marine Panel (1989-1999), Head of the Department of Thermal Fluids (1990-1992), Head of the Marine Technology Laboratory (1999-2007), Head of the Department of Marine Technology (2007-2010), Deputy Dean (Academic) from 2010 to 2012 and Deputy Dean (Research and Innovation) in 2017.

Professor Omar is currently the elected Chairman of UTM Professor Council and an elected member of the UTM Senate since 2013. In April 2019, he was elected as the Senate representative member of the UTM Board of Directors.

At the national level, he has been appointed as a member of the National Advisory Council for Education (MPPK), Ministry of Education, member of the National Task Force on Marine Environment, Ministry of Transport, Founding Member of the Technical Advisory and Consultative Committee, Ship Classification Malaysia, Member of Technical Committee of Malaysian Ship Owners Association (MASA), and member of the Malaysian Government Expert Group for International Maritime Organisation Gas Emission Control.

At the international level, the Royal Institution of Naval Architects appointed him as a Fellow in 2010 and the UK Engineering Council accorded him a Chartered Engineer status in the same year. He was recently appointed as a member of the Marine Environment Committee of the Royal Institution of Naval Architects. In addition, he was also appointed as an Associate of the Academy of Sciences Malaysia.

He has represented Malaysia in many meetings at the International Maritime Organisation (IMO) dealing with energy efficiency and the environment. He is one of the founding member of South East Asia Collaboration on Ocean Renewable Energy (SEAcORE), a member of IOC-Westpac Working Group on Marine Renewable Energy as well as a permanent member of the the Organising Committee of Asian Wave and Tidal Energy Conference series (AWTEC).

PERSONAL DETAILS

Name : Omar Yaakob
Gender : Male
Date of Birth : 20th August 1960
Nationality : Malaysian
Marital Status : Married
Permanent Address : 55, Jalan Bukit Kempas 2
Taman Bukit Kempas
81200 Johor Bahru

Correspondence Address : Faculty of Mechanical Engineering
Universiti Teknologi Malaysia, 81310 UTM Skudai, Malaysia

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Expertise : Marine technology, ship design, hydrodynamics, marine renewable energy, marine remote sensing, physical oceanography, marine environment, marine transport, management and operation.

ACADEMIC QUALIFICATIONS

2015 : Graduate Certificate in Tertiary Education Management
University of Melbourne, Australia

1999 : Ph.D.
Newcastle University, Newcastle upon Tyne

1987 : M.Sc.
Newcastle University, Newcastle upon Tyne

1986 : Postgraduate Certificate in Naval Architecture
Newcastle University, Newcastle upon Tyne

1983 : B. Sc. (Hons)
Newcastle University, Newcastle upon Tyne

EMPLOYMENT HISTORY

From	Until	Post
1st June 2011	Present	Professor
1st June 2000	30th May 2011	Associate Professor
5th October 1987	31st May 2000	Lecturer
5th August 1983	4th October 1987	Assistant Lecturer

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

- i. Fellow of Royal Institution of Naval Architects (FRINA)
- ii. Associate of Malaysian Academy of Science (Assoc. A. Sc)
- iii. Chartered Engineer (C. Eng. United Kingdom)
- iv. Member of Malaysian Society for Engineering and Technology

ADMINISTRATIVE EXPERIENCE

Faculty Level

- i. Feb 2017- July 2017 : Deputy Dean (Research and Innovation, Faculty of Mechanical Engineering)
- ii. May 2010 – April 2012 : Deputy Dean (Academic), Faculty of Mechanical Engineering
- iii. May 2007 – April 2010 : Head of Department of Marine Technology, Faculty of Mechanical Engineering
- iv. Nov 1999 – April 2007 : Head of Marine Technology Laboratory
- v. June 1997 – Dec 1998 : Head/Coordinator of Marine Technology Panel
- vi. Oct 1989 – Dec 1991 : Head of Department of Fluids and Thermodynamics

University Level

- i) Feb 2014 – Present : Elected Member of the University Senate, Universiti Teknologi Malaysia
- ii) June 2017-Present : Chairman, UTM Council of Professors
- iii) April 2019 – March 2022 : Member of University Board of Directors (LPU)

CONTRIBUTIONS TO SOCIETY

NATIONAL EXPERT COMMITTEES

- i) Member of National Advisory Council for Education (MPPK), Ministry of Education, October 2018- Sept 2020.
- ii) Chairman of National Task Force for the Review of Islamic Education Curriculum.
- iii) Member of National Task Force on Marine Environment, Ministry of Transport, Oct 2018- Sept 2020.
- iv) Founding Member of Technical Advisory and Consultative Committee, Ship Classification Malaysia, March 2013-present
- v) Advisor to R&D Unit, Ship Classification Malaysia, Oct 2013-present.
- vi) Member of Technical Committee of Malaysian Ship Owners Association (MASA).

- vii) Member of Malaysian Government Expert Group for International Maritime Organisation Gas Emission Control, May 2009

NATIONAL ACADEMIC ASSURANCE COMMITTEES

- i) Member of Advisory Board of Postgraduate Studies for Universiti Malaysia Terengganu. October 2015 until present.
- ii) Chairman of Malaysian Qualification Agency Panel for Bachelor of Science (Marine Technology) Program at Universiti Teknologi Mara (Arau), Marine Qualification Agency. June 2014
- iii) Chairman of Malaysian Qualification Agency Panel for Bachelor of Marine Science and Technology Program at Universiti Islam Antarabangsa (Kuantan), Marine Qualification Agency. October 2012
- iv) Member of External Advisory Committee for Universiti Pertahanan Nasional Malaysia. April 2010.
- v) Chairman of Malaysian Qualification Agency Panel on Bachelor of Marine Electrical and Electronics Engineering, Marine Qualification Agency. February 2009.
- vi) External Examiner/Program Assessor for B.Tech. Naval Architecture and Shipbuilding in UniKL-MIMET, Lumut. January 2009 – Present.

OTHER NATIONAL COMMITTEES

- i) Chairman of Organising Committee of the International Conference & Roundtable for Islamic Leadership (ICRIL 2015), April 2015
- ii) Member of External Assessor for Academic Staff Promotion Panel, Universiti Malaysia Terengganu, June 2014.
- iii) Deputy Chairman of Asia Pacific Offshore Conference 2010. April 2010
- iv) Member of Organising Committee for Seminar on Protection of Marine Environment, World Maritime Day. December 2009
- v) Member of Committee for National Level, World Maritime Day. November 2009

INTERNATIONAL APPOINTMENT/COMMITTEES

- i) Member of Marine Environment Committee of the Royal Institution of Naval Architects, January 2017- present
- ii) Appointed Fellow of Royal Institution of Naval Architects. November 2011
- iii) Appointed Chartered Engineer (UK), Engineering Council. May 2010
- iv) Head of Academic Quality Assurance Audit Panel at the Department of Naval Architecture and Ocean Engineering, Bangladesh University of Engineering and Technology Dhaka, 24-26 June 2018.
- v) Head of Academic Quality Assurance Audit Panel at the Institute of Appropriate Technology, Bangladesh University of Engineering and Technology Dhaka, 16-18 January 2018.
- vi) Head of Academic Quality Assurance Audit Panel at the Department of Electrical and Electronics Engineering, Bangladesh University of Engineering and Technology Dhaka, 16-18 January 2018.
- vii) Member of Maritime Environment Committee, Royal Institution of Naval Architects. January 2017.
- viii) Permanent Member of Asian Wave and Tidal Current Conference Organising Committee, 2014 - present
- ix) Member of IOC-Westpac Working Group on Marine Renewable Energy (2012-present)
- x) Founding member of South east Asian Collaboration on Ocean Renewable Energy (SEAcORE), (2013-Present)
- xi) Appointed by United Nation as Panelist at United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea, New York. 29 May – 1 June 2012.

xii) Professor Promotion Evaluation

- a. Professor Post Evaluation, Dr Md. Mashiur Rahaman, Bangladesh University of Engineering and Technology, March 2019.
- b. Associate Professor Evaluation, Dr Do Kyun Kim , Universiti Teknologi Petronas. June 2018.
- c. Professor Post Evaluation, Dr Ahmed Salem, King Abdul Aziz University, Saudi Arabia, April 2017.
- d. Professor Post Evaluation, Dr M. Rafiuddin Ahmed, The University of the South Pacific, Fiji , November 2016.
- e. Associate Professor Post Evaluation, Dr Md. Mashiur Rahaman, Bangladesh University of Engineering and Technology, March 2016
- f. Professor Post Evaluation, M Morsy El-Gohary, King Abdul Aziz University, Saudi Arabia, May 2014
- g. Professor Post Evaluation, Dr. Goutam KumarSaha, Bangladesh University of Engineering and Technology, July 2012
- h. Professor Post Evaluation, Dr. Mir tareque Ali, Bangladesh University of Engineering and Technology, July 2012
- i. Professor Post Evaluation, Dr. Goutam KumarSaha, Bangladesh University of Engineering and Technology, July 2012

ADVISOR TO THE GOVERNMENT

Part of Malaysian Government delegation to International Maritime Committee:

- i) Malaysian Representative to the 69th Session of Maritime Environmental Protection Committee, International Maritime Organisation, April 2016
- ii) Malaysian Representative to the 65th Session of Maritime Environmental Protection Committee, International Maritime Organisation, May 2013
- iii) Malaysian Representative to the 64th Session of Maritime Environmental Protection Committee International Maritime Organisation, October 2012
- iv) Malaysian Representative to the 62nd Session of Maritime Environmental Protection Committee International Maritime Organisation, May 2011
- v) Malaysian Representative to the IMO Intersessional Working Group on Energy Efficiency Measures for Ships, January 2011
- vi) Malaysian Representative to the 61st Session of Maritime Environmental Protection Committee International Maritime Organisation, Oct 2010
- vii) Malaysian Representative to the 89th Session of Maritime Safety Committee International Maritime Organisation, May 2011
- viii) Malaysian Representative to the 87th Session of Maritime Safety Committee International Maritime Organisation, May 2010
- ix) Malaysian Representative to the 86th Session of Maritime Safety Committee International Maritime Organisation, May 2009

Other Involvement:

- i) Malaysian Representative to South East Asian Collaboration for Ocean Renewable Energy (SEAcORE): What do Experts Say? Nanyang Technological University, 25-26 Feb 2013.
- ii) Appointed as Subject Matter Expert (Marine and COastal Resources), Kementerian Sains, Teknologi dan Inovasi (MOSTI), (2011- present)
- iii) Appointed as Panel for Dewan Bahasa dan Pustaka, July 2010
- iv) Appointed as a Member of Renewable Energy Sub-Committee at MOSTI, March 2010
- v) Invited as an Expert in Bengkel Halatuju Pengajian Maritim MOHE, November 2009

EDITORIAL BOARD /EDITOR

- i) Chief Editor, Journal of Transport System Engineering, Universiti Teknologi Malaysia, 2014.
- ii) Member of Editorial Board for Journal of Naval Architecture and Marine Engineering (Scopus Indexed).
- iii) Member of Editorial Board for Scientia International Journal of Science and Technology (ISI-Indexed).
- iv) Member of Editorial Board for International Journal of Marine Technology.

REFEREES/REVIEWER

- i) Scientia Iranica, Evaluation of planing craft maneuverability using mathematical modeling under the action of the rudder, November 2015,
- ii) Jurnal Mekanikal, Integration System of Automatic Integration System (AIS) and radar for Port Traffic Management, February 2015.
- iii) Journal of Naval Architecture and Marine Engineering, Resistance Reduction on Trimaran Ship Model by Biopolymer of Eel Slime, December 2014.
- iv) Journal of Naval Architecture and Marine Engineering, a Numerical Study: Liquid Sloshing Dynamics in a Tank Due to Uncoupled Sway, Heave and Roll Ship Motions. December 2013.
- v) Jurnal Mekanikal, Estimation and Distribution of Exhaust Ship Emission from Marine Traffic in the Straits of Malacca using Automatic Identification system, April 2013
- vi) Journal of Marine Science and Technology, Aft & Mid Interceptors Effects On Hydrodynamic Performance of a High Speed Asymmetric Planing Catamaran, Dec 2012
- vii) Journal of Waterway, Port, Coastal and Ocean Engineering, Integration System of Automatic Integration System (AIS) and radar for Port Traffic Management, March 2012.
- viii) Journal of Sustainable Technologies, CFD Simulation for Cavitation studies and Optimization of Propeller Blade, March 2011
- ix) Reviewer for Journal of Naval Architecture and Marine Engineering, November 2009.
- x) Reviewer for Asian Journal of Teaching and Learning, April 2009.

RESEARCH ACTIVITIES

RESEARCH PROJECT UNDERTAKEN (As Head of Project)

- i) August 2017 – July 2019 Slamming Impacts Effects and Cost-Effective Absorption methods for Small High speed Crafts. Budget RM103,350
- ii) Jan 2015 – Dec 2017 : Project Leader, New Concept of Wave Energy-Breakwater Device. Budget RM246, 800.
- iii) July 2014 – June 2016 : Project Leader, Ship Generated Waves and Its Impact on River Environment and Moored Vessels. Budget RM 122,600.
- iv) Apr 2014 – Mar 2016 : Project Leader, Formation and Behaviour of Microbubbles and Its Effect on Ship. Budget RM 71, 446.73
- v) Apr 2014 – Mar 2015 : Project Leader, Ship Energy Management Model for Fuel and Emission Efficient Optimised Voyages. Budget RM 50,000.
- vi) Nov 2013 – Feb 2016 : Project Leader, Hydrokinetic Energy Transformation System. Budget RM 154,000 (Part of RM 3.9M).
- vii) June 2013 – May 2016 : Project Leader, New Concept of Overtopping Wave Energy Device based on Water Gravitation Vortex Energy System. Budget RM 127,000
- viii) Oct 2012 – Mar 2014 : Project Leader, Ballast Water Treatment onboard Ships for Optimising Ballast Water Management. Budget RM 222,101
- ix) July 2014 – June 2016 Project Leader, Ship Generated Waves and Its impact on River Environment and Moored Vessels, Vot RDU 1321309. Budget RM 122, 600

PROTOTYPE RESEARCH GRANT SCHEME (PRGS FUND)

- July 2015- Dec 2017 : Project Leader, Development Of Combined Ocean Renewable Energy System Prototype (CORES) Budget RM272,000.

TRANSDISCIPLINARY RESEARCH GRANT SCHEME (TRGS FUND)

- Jan 2016 – Dec 2018 : Program Leader, Environmental Impacts of Tourist Boats Wake Wash in Kilim River, RM475,000.

CONTRACT RESEARCH PROJECT UNDERTAKEN (Industrial Grant Scheme, (IGS))

- i) Project Leader for Hydrokinetic Energy Transformation System. This project is a collaborative works between Public Works Department Malaysia (JKR), UTM and Ministry of Energy, Green Technology and Water (KeTTHA). The budget approved is RM 154, 000 (Part of RM 3.9M).
- ii) Project Leader for Ship Emission Studies in Johor Port, Johor Port Authority, June-December 2015., RM150,000.
- iii) Project Leader for Non-Ship Emission Studies in Johor Port, Johor Port Authority, Jan-December 2016., RM85,000.

INTERNATIONAL CONTRACT RESEARCH PROJECT AWARDED

- i) Prof. Dr. Omar Yaakob (PI), New Concept of Wave Energy-Breakwater Device. Budget allocated RM 246, 800. This project was awarded under the Ministry of Education (MOE) Look East Policy Grant with University of Tokyo. (Jan 2015- Dec 2017)
- ii) Prof. Dr. Omar Yaakob (PI), Malaysia-China Research and Cooperation on Marine Renewable Energy Utilization, RM471,000, International Collaboration Fund, MESTECC

PATENT FILED/DISCLOSURE*

1. Malaysia Patent Files (PI 2015701310); Ballast water treatment system supplemented by shipboard waster water heat.
2. Malaysia Patent Files (PI 2015702900); Helical static mixer system for ballast water treatment system
3. Malaysia patent Files, (PI 2015 700426). Elbatran A H, O B Yaakob, Yasser M Ahmad, Bidirectional nozzle system for enhancing hydrokinetic power generation in micro scale water flow rivers and channels.

TEACHING ACTIVITIES

SESSION	CODE	COURSE	CREDIT HOURS
2018/2019	MKMO 2513	ADVANCED MARINE DESIGN	3.0
	MKMO 1903	RESEARCH METHODOLOGY	3.0
	UMP0010	RESEARCH METHODOLOGY	3.0
	SME4912/SME4924	FINAL YEAR PROJECT 1 & 2	3.0
2017/2018	MKMO 1903	RESEARCH METHODOLOGY	3.0
	UMP0010	RESEARCH METHODOLOGY	3.0
	SME4912/SME4924	FINAL YEAR PROJECT 1 & 2	2.0/4.0
2016/2017	SME4912/SME4924	FINAL YEAR PROJECT 1 & 2	2.0/4.0
	MKMO 1903	RESEARCH METHODOLOGY	3.0
	UMP0010	RESEARCH METHODOLOGY	3.0
20152016	SME4912/SME4924	FINAL YEAR PROJECT 1 & 2	2.0

	SKMO 2322	NAVAL ARCHITECTURE 1	2.0
	UMP0010	RESEARCH METHODOLOGY	3.0
	MKMO 1903	RESEARCH METHODOLOGY	3.0
	SKMO 2333	NAVAL ARCHITECTURE 2	3.0
20142015	SME4912/SME4924	FINAL YEAR PROJECT 1 & 2	3.0
	UMP0010	RESEARCH METHODOLOGY	3.0
	SKMO2333	NAVAL ARCHITECTURE 2	2.0
	SKMM1921	INTRODUCTION TO MECHANICAL ENGINEERING	1.0
20132014	SKMO2333/SMK3343	NAVAL ARCHITECTURE 2	3.0
	NGS	INTERNATIONAL INTERNSHIP NON GRADUATING STUDENT	3.0
	SME4912/SME4924	FINAL YEAR PROJECT 1 & 2	2.0
	SMK4832	MARITIME LAW	2.0
	MMK3843	MARITIME LAW	3.0
20122013	SME3915	INDUSTRIAL TRAINING SUPERVISION	5.0
	SMK4542	SHIP DESIGN 3	2.0
	SME4912/SME4924	FINAL YEAR PROJECT 1 & 2	4.0
	SMK3343	NAVAL ARCHITECTURE 2	3.0

SUPERVISION

MASTERS STUDENTS					
	Entry Year	Name	Status	Title	Main/Co
1	2018	Muhammad Azmi Taqiuddin	On Going	Roll Mitigation of Small Craft	Main Supervisor
2	2015	Mohammud Hanif Dewan	Graduated (2019)	Barriers For Adoption Of Energy Efficiency Measures In Shipping Industry€•	Main Supervisor
3	2014	Mohamad Zulhusnie Bin Mahadi	Graduated (2018)	Long Term Ocean Wave Estimation By Using Satellite Data	Main Supervisor
4	2013	Andik Nur Diyana Binti Hj Bachok	Graduated (2017)	Ship Generated Waves And Their Impact On Riverbank Erosion	Main Supervisor
5	2016	Mohd Syazwan Bazli	On Going	U-OWC Optimisation	Main Supervisor
6	2016	Ahmad Mustaqim Bin Abdul Rahim	On Going	Oscillation Water Collumn for Low wave conditions	Main Supervisor
7	2013	Nur Shafira Binti Ahmad	Graduated (2018)	Ship Energy Management For Fuel And Emission Improvement Of Malaysian Ship	Main Supervisor
8	2016	Nur Farhana Binti Abd Hamid	On Going	Speed limits for Kilim Boats to reduce Ship Generated Waves	Main Supervisor
9	2012	Badruzzaman Bin Ahmad	Graduated (2016)	Development Of Helical Static Mixer For Ballast Water Treatment System	Main Supervisor
10	2011	Wan Aminullah bin Abdul Aziz	Graduated (2014)	Wae Energy Monitoring and Assessment in Malaysian Seas using Satellite Altimetry Data	Co-supervisor
11	2011	Ismail Bin Zainol	Graduated (2015)	Fishing Boat Propulsion System-Surface Piercing Propeller For Fuel Optimisation	Main Supervisor

12	2011	Mohd Arif Bin Ismail	Graduated (2015)	Development Of Improved Savonius Vertical Axis Marine Currentâ Turbine Rotor Performance	Main Supervisor
13	2008	Ahmad Nasirudin	Graduated (2011)	A Low Wake-Wash Inland Waterways Catamaran	Main Supervisor
14	2008	Arulhaizal Bin Adam Hamzah	Graduated (2011)	Reliability Assessment For Misc Lng Distributed Control System	Main Supervisor
15	2008	Hamran Bin Harun	Graduated (2011)	Enhancement Of Propulsion System Towards Fuel Saving	Co-supervisor
16	2007	Dedy Triawan Suprayogi	Graduated (2009)	Savonius-Type Vertical Axis Turbine For Low Marine Current Velocity	Main Supervisor
17	2007	Azliza Binti Abdul Aziz	Graduated (2010)	Development Of A Duct For A Horizontal Axis Turbine	Main Supervisor
18	2005	Norazimar Binti Zainudin	Graduated (2007)	Application Of Remote Sensing In Ocean Wave Data Collection For Engineering Purpose	Main Supervisor
19	2004	Dony Setyawan	Graduated (2006)	Damage Stability Of Small Vessel	Co-supervisor

		PHD STUDENTS			
1	2015	Mohd Arif Bin Ismail	On Going	Boat Wave Wake Impact On Mangrove Riverbank Erosion At Sungai Kilim, Langkawi	Main Supervisor
2	2016	Faisal Ikram Abd Samad	On Going	Slam Shock Reduction for High speed boats	Main Supervisor

3	2014	Fouzi Khalifa Mohammad Alsebai	On Going	Power Extraction By A Nearshore Oscillating Wave Surge Converter	Main Supervisor
4	2014	Agus Sulaiman Djamil Bin Ahmad Ghozali	On Going	Petunjuk Al Quran Mengenai Sumber Energi Berkelanjutan Berbasis Kelautan: Sebuah Analisa Paralelistik Pada Ilmu Kelautan Islam	Co- supervisor
5	2013	Nazirah Binti Mohamad Abdullah	Graduated (2016)	Development Of A Governance Framework For Stakeholder Management Towards Marine Space Administration	Co- supervisor
6	2013	Aly Hassan Abdalla Abdelbaky	Graduated (2015)	Micro Scale Channels Water Flow Acceleration For Clean Power Generation	Main Supervisor
7	2013	Muhammad Adli Bin Mustapa	Graduated (2018)	Development Of Wave Energy Converter- Breakwater Device For Malaysian Sea	Main Supervisor
8	2013	Mooud Nikfarjam	Submitted (Feb 2019)	Assessment Of Slamming Pressure On High-Speed Trimarans Due To Symmetric And Asymmetric loads	Main Supervisor
9	2012	Farah Ellyza Binti Hashim	Graduated (2016)	Wave Energy Resources In Malaysia	Main Supervisor
10	2012	Hosameldeen Mohamed Osama Ahmed Shabara	Submitted (Jan 2019)	Efficient Water Gravitation Vortex Energy System	Main Supervisor
11	2011	Rajoo Balaji	Graduated (2015)	Ballast Water Treatment Using Shipboard Heat Resources For Improved Ballast Water Management	Main Supervisor
12	2011	Dedy Triawan Suprayogi	Submitted (March 2019)	The Effects Of Environmental Factors And Vessel Parameters On Ship Generated Waves	Main Supervisor

13	2011	Muhammad Rusydi Bin Muhammad Razif	Graduated (2017)	Development Of A New Propulsion System For A Marine Vessel Based On Fish Locomotion Using Soft Actuator	Co-supervisor
14	2011	Reza Hassanzadeh Abbasabadi	Graduated (2015)	Cfd And Experimental Studies On Vertical Axis Marine Current Turbine (Vamct)	Main Supervisor

POSTGRADUATE EXAMINATION /VIVA*

INTERNAL EXAMINER (MASTERS)

1. Ezzul Hanis Bin Othman, Numerical Investigation of Resistance And Interference Effect for New Design of Unmanned Surface Vehicle in Calm Water, September 2018
2. Amalina Izzati Abdul Hamid, Sea Level Rise Quantification and Projection using Multi mission satellite Altimeter over Malaysian Seas. April 2018.
3. Norazalina binti Abdul Nasir, Environmental Impact Of Future Lumut Port Development, Masters Thesis , March 2016
4. Tey Wah Yen, Flapping Hydrodynamics of Fishlike Structure, , Nov 2014
5. Maziah Suraya bte Abd Majid, Effect of Riser on Mooring System Dynamics, Masters Thesis, , March 2014
6. Ahmad Fahmi Mahmud, Safe Welding Parameters for Inner Hull Repair Works on LNG Carrier, Masters Thesis, April 2011
7. Mohd Fazrul Hisham Bin Abdul Aziz, Utilization of Echosounder Imaging for Stock Size Estimation of Pelagic Fishes, Masters Thesis, February 2011

INTERNAL EXAMINER (Ph. D)

1. Efi Afrizal, Suction Force Induced by Propeller Reducing Ice Resistance of Double Acting Tanker, December 2018
2. Najhan Bin Md Said, Optimisation of Satellite-Derived Bathymetry's Empirical Method for Shallow Water Hydrographic Mapping, September 2018.
3. Arifah bin Ali, Effects of Fin Stabilizer Configurations on Semi SWATH Resistance, January 2017
4. Fatemeh Behrouzi, Performance Enhancement of Vertical Axis Current Turbine Using Arm and Self-Adjusting Blade's Angle for Low Speed Current, January 2017

5. Mridula K R Mesoscale Circulation of The Bay of Bengal and its Influence on Marine Productivity, December 2016
6. Mohammad Mobassher Tofa, Mass Ratio Effect On The Mechanism Of The Vortex Induced Vibration of Cylinders in Tandem Arrangement, Mei 2016
7. Ang Yit Sian, Ship To Ship Interaction and Bank Effect On Manoeuvrability Of Vessel In Restricted Water, March 2016
8. Siow Chee Loon, Hydrodynamic Interaction between Round Shape FLNG with other Floating Body, June 2015
9. Mohammad Javad Nekooei, Combustion Modeling and Exhaust Emission Control by Fuzzy Logic Applied to Internal Combustion Engine, June 2015
10. Ahmad Faizal bin Ahmad Fuad, Safety Assessment Model for Compatibility of Life Jacket with Coastal Passenger Vessel, May 2015
11. Mahdi Mirzaei, Mooring System Design Optimization Considering Mooring Line Dynamics and Coupling Effect, September 2014
12. Hassan Abyn, Hydrodynamic Interaction and Relative Motions of Floating Structures in Waves, Ph D Thesis, October 2012

EXTERNAL EXAMINER (MASTERS)

1. Sadam Shareen Abbasi, Geometric Optimization of an Oscillating Water Column for Enhancement of Aerodynamic Performance, March 2018, Universiti Teknologi Petronas.
2. Edwar Yazid, Slow Drift Motions Identification of Floating Structures Using Time-Varying Input-Output Model, August 2015, Universiti Teknologi Petronas.
3. Anurag Yenduri , Development of Criteria for Optimum Mooring Configuration of Truss Spars Intact and Damaged Line Conditions, April 2015, Universiti Teknologi Petronas
4. Idris Wasiu Olalekan, Longterm Load Forecasting for Ocean Thermal Energy Conversion Using Neural Networks, Universiti Malaysia Terengganu, November 2014.
5. Mohd Fadly Nor Azman, Sensitivity study of Environment Load Reliability Index for Malaysian Region, August 2013, Universiti Teknologi Petronas.
6. Jai Nendran Goundar, Tidal Current assesement and Deisgn of a Horizontal Axis Tidak Current Turbine for Fiji, University of South Pacific. Fiji, April 2012.

EXTERNAL EXAMINER (Ph.D)

1. Femin Varghese, Econo-Environmental Dispatch Solution for Power Systems Integrated with Renewable Energy Resources, Universiti Brunei Darussalam, January 2019.
2. Deepak Prasad , Design of a Wave Energy Converter, University of South Pacific. Fiji, August 2018.
3. Rini Nishanth, Dynamic Response and Life Cycle Analysis of Floating Production Storage and Offloading System, Universiti Teknologi Petronas, January 2018
4. Fatemeh Namazisa, Investigation of Vortex Induced Vibration on Offshore Pipelines Using Galerkin Finite Volume Method, Universiti Teknologi Petronas, April 2017.
5. Kamran Samo, Tidal Mapping And Determination Of Potential Site And Estimation Of Its Power Output At East Malaysia, Universiti Malaysia Sarawak, November 2017.

6. Ali Mirzaei Ghareh Gheslaghi, Investigation on Wave Climate Characteristics and Assessment of Wave Energy Potential In Southern Region of South China Sea, Universiti Kebangsaan Malaysia, September 2014
7. Abdul Munir bin Ladoni, Pattern of Harmful Algal Bloom (HABS) in Coastal Areas of Kota Kinabalu, Sabah using Integrated Modelling Techniques, Universiti Malaysia Sabah, September 2014

PUBLICATIONS

JOURNAL

ISI Journal:

1. Ahmad Zaman, A.A. ; Hashim, F.E.; Yaakob, O., (2019) Satellite-Based Offshore Wind Energy Resource Mapping in Malaysia, *Journal of Marine Science and Application*, February 2019, 18(1), pp. 114-121
2. Elbatran, A.H., Yaakob, O.B., Ahmed, Y.M., Shehata, A.S. (2018) , Numerical and experimental investigations on efficient design and performance of hydrokinetic Banki cross flow turbine for rural areas, *Ocean Engineering*, 159, July 2018, pp. 437-456 (ISI I.F.= 2.214 Q1)
3. Reza Hassanzadeh, Omar Yaakob, Ahmadali Gholami, Maryam Pourmahdavi, Mehdi Hosseinzadeh, Mohammad Mahdi Taheri, Yasser M. Ahmed, Experimental Investigation of an Innovative Configuration for New Marine Current Turbine, *Renewable Energy* (2018), *Renewable Energy*, Volume 125, September 2018, Pages 32-38 . (ISI, I.F=3.404 Q1)
4. Reza Hassanzadeh, Omar bin Yaakob, Mohammad Mahdi Taheri, Mehdi Hosseinzadeh, Yasser M. Ahmed (2018), An innovative configuration for new marine current turbine, *Renewable Energy* 120 413-422 . (ISI, I.F=3.404 Q1)
5. M.A. Mustapa, O.B. Yaakob, Yasser M. Ahmed, Chang-Kyu Rheem, K.K. Koh, Faizul Amri Adnan, (2017) Wave energy device and breakwater integration: A review, *Source, Renewable and Sustainable Energy Reviews*, 77, 43-58 (ISI, I.F=6.798 Q1)
6. A.H. Elbatran, O.B. Yaakob, Yasser M. Ahmed, H.M. Shabara (2015) Operation, Performance and Economic Analysis of Low Head Micro-Hydropower Turbines for Rural and Remote Areas: A Review, *Renewable & Sustainable Energy Reviews* Volume 43, 40-50. (ISI, I.F=6.798 Q1)
7. Mohammad Reza Bagheri, Hamid Mehdigholi, Mohammad Said Seif, Omar Yaakob (2015) An Experimental and Numerical Prediction of Marine Propeller Noise Under Cavitating and Non-Cavitating Conditions, *Brodogradnja/Shipbuilding* Volume 66:2 29-45. (ISI, I.F=0.312 Q3)
8. Hassanzadeh, A. R., Yaakob O.B., Ahmed, Y.M., Ismail, M. A., Numerical simulation for unsteady flow over marine current turbine rotors, *Wind and Structures*, Vol. 23, No. 4 (2016) 301-311 DOI: <http://dx.doi.org/10.12989/was.2016.23.4.301> 301. (ISI, I.F=0.746 Q2)
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35. Yaakob, O., & Maimun, A. M. (2001, April). Applicability of Theoretical Sea Spectra on Motion Studies of Floating Structures in Malaysian waters. In First Asia Pacific Conference on offshore systems.
36. Omar bin Yaakob , Saharuddin Abdul Hamid , Abd Saman bin Abd Kader, Marine Industry Issues and Challenges - Education and R&D Perspectives, Proceedings 1st National Marine Industries Forum, Kuala Lumpur, 20th March 2010
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38. Omar Yaakob, Mohamad Pauzi Abdul Ghani, Kamarul Baharin Tawi, Dedy Triawan Suprayogi, Azliza Aziz, Khairul Ezani Bin Jaafar., 'Development of Ocean Wave and Current Energy Device', Proceedings Seventh UMT International Symposium on Sustainability Science and Management (UMTAS) 2008, Kuala Terengganu, June 2008
39. Omar Bin Yaakob and Mohamad Pauzi Abdul Ghani, Maritime Capability in the Muslim World: A Historical Review and Current Status , Proceedings International Seminar on Islamic Science and Technology (INSIST 2008), 18th-19th Mac 2008.
40. Omar Yaakob, Mohd Zamani Ahmad, Managing a Large Research Laboratory Within a Public University in a Developing Country, International Conference On Research In Higher Education Institutions (ICRHEI), Cebu City, Philippines, October 24-27, 2007
41. Omar Yaakob, Mohd. Afifi Abd. Mukti, Ahmad Nasirudin, Mohd. Arizam Abdul Wahab, Hull Form Configuration Study Of A Low Wake Wash Catamaran Leisure Boat, Proceedings ICMRT2007, Ischia Italy, 28-30 June 2007.
42. Omar bin Yaakob, Kamaludin Omar, Maged Marghany, Norazimar Zainuddin, Mohd Arizam bin Abdul Wahap, Application of Satellite Remote Sensing In Ocean Data Gathering, Proceedings of 11th Seminar of JSPS-DGHE Core University Program on Marine Transportation Engineering, Hiroshima, November 2006
43. Omar Yaakob, Tengku Mohd Ariff Bin Tengku Ab Rashid, Mohamad Afifi Abdul Mukti, Prospects for Ocean Energy in Malaysia, International Conference on Energy and the Environment, Kuala Lumpur, 28-30 August 2006.
44. Omar Yaakob, Mohd. Pauzi Abd. Ghani, Mohd. Afifi Abd. Mukti, Ahmad Nasirudin, Kamarul Baharin Tawi, Tholudin Mat Lazim, The Wake Wash Prediction on an Asymmetric Catamaran Hull Form, Regional Conference on Vehicle Engineering and Technology (RiVET06), Kuala Lumpur, July 2006. 1 Citation
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46. Adi Maimun, Omar Yaakob, Md. Ahm Kamal, Ng Chee Wei, Evaluation of Seakeeping Analysis of a Fishing Vessel using a Wave Buoy and onboard Motion Monitoring Device, Regional Conference on Vehicle Engineering and Technology (RiVET06), Kuala Lumpur, July 2006.
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48. Omar Yaakob, Norazimar Zainudin, Robiahtul Adawiah Palaraman, Application of Remote Sensing in Ocean Wave Data Collection for Engineering Purpose, 26th Asian Conference on Remote Sensing, Hanoi, November 2005.
49. Omar Yaakob, Norazimar Zainudin, Yahya Samian, Adi Maimun Abdul Malik, Robiahtul Adawiah Palaraman, Developing Malaysian Ocean Wave Database Using Satellite, 1st Asian Space Conference, Chiang Mai, November 2004.
50. Omar Yaakob, Norazimar Zainudin, Yahya Samian, Adi Maimun Abdul Malik, Robiahtul Adawiah Palaraman, On the Derivation of Wave Periods from Satellite Altimetry, 8th JSPS Conference on Marine Transportation Engineering, Hiroshima, October 2004.
51. Omar Yaakob, Norazimar Zainuddin, Preliminary Work In Using Satellite Wave Data To Develop Malaysian Ocean Wave Database, 2nd Regional Conference on Ecological and Environmental Modeling, Penang, September 2004.
52. Omar Yaakob, Norazimar Zainuddin, Ramli Shariff, Developing Malaysian Ocean Wave Database Using Satellite Altimetry, 5th Regional Conference on Marine Technology, Johor Bahru, September 2004.
53. Omar Yaakob, Lim Shiau Nee, Application of Ergonomics in Ship Design, 5th International Conference on Mechanical Engineering (ICME 2003), Dhaka , December 2003.
54. Omar Yaakob, Koh Kho King, Comparative Studies of Seakeeping of a Containership, 7th JSPS Conference on Marine Transportation Engineering, Hiroshima, October 2003.
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56. Omar Yaakob, Enhancement of National Maritime Defence Industry Capabilities Through Competency Building, National Seminar and Workshop on the Defence Industry, Genting Highlands, June 2003.
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61. Adi Maimun Abdul Malik, , Omar Yaakob, Mohd Afifi Abdul Mukti, Application of Wave Data in Marine Technology, 7th Meeting of Malaysian Oceanographic Research Coordination Comitee, Universiti Teknologi Malaysia, 19-20 July 99.
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65. Hearn, G.E., Wright, P.N.H. and Yaakob, O.B. , Seakeeping for design: Identification of Hydrodynamically Optimal Hull Forms for Large High Speed Catamarans, Proc. Intl. Conf. on High Speed Craft for Transport and Defence, Royal Institution of Naval Architects, London, November 1995. 1 Citation
66. Hearn, G.E., Hills, W. and Yaakob, O.B., Computer Aided Design of Fishing Boats for Improved Seakeeping Performance. Proc. Intl. Conf. on Computer Aided Design & Production for Small Craft, CADAP '95, Paper 18, pp.12, Royal Institution of Naval Architects, Southampton, 26-27 September 1995. {Awarded RINA Bronze Medal 1996} 1 Citation
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69. Omar Yaakob, A Research Framework for Deep sea Fishing Technology, Proc. Kongres Sains dan Teknologi Malaysia, August 1992
70. Omar Yaakob, Yahya Samian, Teo Kok Kiang, The Implementation of Computerisation in Malaysian Shipyards, Mechanical Engineering Faculty Research Seminar, July 1992
71. Omar Yaakob, Peningkatan Produktiviti Melalui Penggunaan Teknologi Perikanan, Satelit March 1992
72. Omar Yaakob, Mohd Pauzi Abdul Ghani, Noorhisham Abdul Hamid, Materials for Structures in the Marine Environment, Proc. Nat. Conference on Marine Corrosion in Ports and Harbour, October 1991
73. Mohd Pauzi Abdul Ghani, Omar Yaakob, Ahmad Fuaad Ahmad, Anggaran Kuasa Bot Nelayan Laut Dalam, Prosiding Persidangan Kebangsaan Teknologi Perikanan, March 1991
74. Omar Yaakob, Mohd Zamani Ahmad, Towards a Better Utilisation of Technology in the Maritime Industry, Nat. Seminar on the Maritime Industry in Malaysia - Present and Future, May 1990
75. Omar Yaakob, Abd Razak Sidek, Nasrudin Ismail, Timber as Boat Building Material in Malaysia, National Seminar on the Structural Use of Timber in Construction, November 1988.
76. Omar bin Yaakob, Kamaludin bin Hj. Mohd Omar, Hassan bin Md. Din, Wan Aminullah Wan Abdul Aziz, Farah Ellyza Hashim, Wave Energy Resource Assessment for West Borneo Using Satellite Altimetry , 1st Malaysian Ocean Renewable Energy Symposium 2013, June 2013, Putrajaya.

THESIS

- i) Omar bin Yaakob, Seakeeping Design of Fishing Boat, Ph.D. Thesis, University of Newcastle, United Kingdom (1999).
- ii) Omar bin Yaakob, Technoeconomics of Fishing Boats in Alternative Materials, Masters. Thesis, University of Newcastle, United Kingdom (1986).

BOOK EDITOR*

1. Omar Yaakob & Koh Kho King (ed), *Advances In Marine Technology*, ISBN 978-983-52-0546-0, Universiti Teknologi Malaysia, 2006
2. Omar Bin Yaakob (ed.), *Ocean Renewable Energy, The New Frontier In Malaysia* , ISBN 978-983-52-1002-0, Universiti Teknologi Malaysia,

BOOK CHAPTER

1. M . P Abdul Ghani , O . Yaakob , N . Ismail , A . S . A . Kader , A . F Ahmad Sabki and P . Singaraveloo, Experimental Analysis of Podded Propulsor on Naval Vessel. *Marine Navigation and Safety of Sea Transportation*, Chapter 7.3. Edited by Tomasz Neumann, ISBN: 978-1-138-00105-3
2. Omar Bin Yaakob, Kamaludin Bin Haji Mohd Omar, Ami Hassan Bin Md Din, Farah Ellyza Binti Hashim, Wan Aminullah Bin Wan Abdul Aziz, Wave Energy Resources Assessment Of West Borneo Using Satellite Altimetry, *Ocean Renewable Energy The New Frontier In Malaysia* , ISBN 978-983-52-1002-0, Chapter 6, 95-104, Universiti Teknologi Malaysia
3. Omar bin Yaakob, Kamaludin Omar, Maged Marghany, Norazimar Zainuddin, Mohd Arizam bin Abdul Wahap, Malaysian Ocean Data Collection using Satellite Remote Sensing, in *Advances In Marine Technology*, ISBN 978-983-52-0546-0, Universiti Teknologi Malaysia, 2006
4. Yahya Samian, Omar Yaakob and Tay Kho Jim, Computer Application in Malaysian Shipyards, in *Advances In Marine Technology*, ISBN 978-983-52-0546-0, Universiti Teknologi Malaysia, 2006
5. Omar bin Yaakob and Mohd Halim Abdul Sideek, Ship Detection through Remote Sensing Satellite, in *Advances In Marine Technology*, ISBN 978-983-52-0546-0, Universiti Teknologi Malaysia, 2006.
6. Omar bin Yaakob and Koh Kho King, The Promise of Ocean Renewable Energy, in *Advances In Marine Technology*, ISBN 978-983-52-0548-4, Universiti Teknologi Malaysia, 2008.
7. Omar Bin Yaakob, Kamaludin Bin Haji Mohd Omar, Ami Hassan Bin Md Din, Farah Ellyza Binti Hashim, Malaysian Marine Energy, in *Ocean Renewable Energy in Southeast Asia: Landscape, Opportunities and Challenges*, ISBN 978-981-11-0450-3, Chapter 5, 97-108, Research Publishing, Singapore

PLENARY LECTURE / KEYNOTE ADDRESS

- i) Keynote Speaker at International Innovation Symposium International Technology & Innovation Symposium 2018, Kuala Lumpur 14 May 2018.
- ii) Keynote speaker at 2017 IERE-TNB Putrajaya Workshop organised by TNB and International Electric Research Exchange (IERE) 21-23 Nov 2017
- iii) Keynote Speaker, 9th National Technical Seminar on Underwater System Technology (NUSYS'17), 11-12 September 2017.
- iv) Keynote Speaker, 3rd International Conference for Innovation and Cooperation of Naval Architecture and Marine Engineering (ICNAME2017) - Marine Renewable Energy sub-forum, Qingdao, China, September 6-7, 2017.
- v) Keynote speaker, 7th Offshore Industries Conference, Tehran, 22-23 May 2017.
- vi) Keynote speaker, 3rd International Conference Power Generation Systems and Renewable Energy Technologies (3rd PGSRET), UTM Skudai April 2017
- vii) Keynote speaker, Workshop on Ocean Energy in Islandic Conditions, Nanyang Technological University, Singapore, 8-9 March 2017.
- viii) Keynote Speaker at 2nd International Conference Power Generation Systems and Renewable Energy Technologies (2nd PGSRET), Islamabad, Pakistan., June 2015.
- ix) Keynote Speaker at Marine Application and Technology Conference, Organised by Universiti Kuala Lumpur MIMET, Lumut, December 2014.
- x) Keynote speaker at International Marine and Offshore Engineering Conference (IMOC 2014), September 2014, AlJubail, Saudi Arabia.

INVITED/GUEST SPEAKER

- i) Invited Speaker at Marine Renewable Asia Summit 2018, Jakarta, 27-28 August 2018
- ii) Invited Speaker, World Maritime Day Conference 2016, October 2016.
- iii) Invited Lecture on Ocean Renewable Energy At Rizal Technological University, Manila, Philippines, 22 October 2015.
- iv) Facilitator, Focus Group Discussions Ocean Renewable Energy, Department of Energy, 19 September 2015. Manila, Philippines,
- v) Invited Speaker to the Green Port Conference, Organised by Johor Port Authority, 19 October 2015, Johor Bahru.
- vi) Invited Speaker to the International Conference On Maritime Education And Training, organised by Ikhtisas Kelautan Malaysia (IKMAL) 30-31 October 2015.
- vii) Invited Speaker, 1st Renewable Energy Symposium, Universiti Malaysia Terengganu, Nov 2014
- viii) Invited Speaker, Seminar on Ocean Renewable Energy, Kota Kinabalu, Monday 20th October 2014.
- ix) Invited Speaker, Colloquium On Conventional, New & Renewable Energy Technology, (CNRET 2014) April 29, 2014
- x) Invited Speaker to Ocean Renewable Energy Workshop, Surabaya, December 2013
- xi) Invited Speaker to South East Asian Collaboration for Ocean Renewable Energy, SEAcORE, Singapore, February 2013.
- xii) Invited Speaker, 1st National Maritime Industry Forum, January 2010
- xiii) Invited Speaker, MIMA Seminar, May 2009.
- xiv) Invited Speaker, World Maritime Day National Level Seminar 2009.

AWARDS

	Awarding Body	Year	Award
1.	Royal Institution of Naval Architects, United Kingdom	1996	Bronze Medal for article “ <i>Computer Aided Design of Fishing Boats for Improved Seakeeping Performance</i> ”
2.	Royal Institution of Naval Architects, United Kingdom	1998	Bronze Medal for article “ <i>Power, Performance and Operability of 24M Fishing Boats – By Design?</i> ”
3.	Universiti Teknologi Malaysia	1999	University Merit Award (Anugerah Kepujian Universiti)
4.	Universiti Teknologi Malaysia	2004	Excellence Service Award (Anugerah Perkhidmatan Cemerlang)
5.	Universiti Teknologi Malaysia	2009	Excellence Service Award (Anugerah Perkhidmatan Cemerlang)
6.	Universiti Teknologi Malaysia	2015	Excellence Service Award (Anugerah Perkhidmatan Cemerlang)
7.	Universiti Teknologi Malaysia	2010	Best Article in Indeks Journal Award (Anugerah Makalah dalam Jurnal Berindeks)
8.	Universiti Teknologi Malaysia	2011	Best Poster Award (Anugerah Poster Terbaik di Kolokium GUP)

COMMUNITY SERVICES & INVOLVEMENT IN NON GOVERNMENT ORGANISATION (NGO)

1. Member of the Central Committee of Pertubuhan IKRAM Malaysia.
2. Chairman of the Education Committee of Pertubuhan IKRAM Malaysia.
3. Chairman of Taman Anggerik Mosque Committee.
4. Deputy President of Gabungan Persatuan Pendidikan Islam Malaysia (GAPIM)

CONSULTANCY WORK

NO	TITLE	CLIENT	DATE OF FINAL REPORT	AMOUNT (RM)	PROJECT NO	ROLE
	Model Test on a 58 Metres Troops Carrying Vessel	FMC Dockyard Ltd. FMC House Road # 01, East Nasirabad, Chittagong, Bangladesh	2/1/2019	60,000	MTC 107	Head
	Model Testing And Ship Wake Analysis At NAHRIM	National Hydraulic Research Institute of Malaysia	12/08/2015	38,100.00	UTSB 909	Head
	Marine Data Provision And Ship Wake CFD Analysis At Kilim Geoforest Park, Langkawi Technical Report	National Hydraulic Research Institute of Malaysia	23/03/2015	41,100.00	UTSB 862	Head
	Sabah Pump Boats Technical Assessment	Neptune Asia Engineering Services Sdn. Bhd, Kota Kinabalu	25/11/r 2011	50,000.00	MTC	Head
	MISC Berhad and UTM Collaborative Study On MISC Ships Energy Efficiency Design Index (EEDI)	Malaysia International Shipping Corporation, Menara Daya Bumi	May 2011	10,000.00	MTC	Head
1	Model Test Of A 26 Meters Service Craft Catamarans (Resistance Test And Paint Smear Test)	Kay Marine Sdn Bhd 90-2, Jalan 1/27f (Klsc), Seksyen 5, Wang Maju, 53300 Kuala Lumpur, Malaysia	7/7/2006	<i>Financial; records missing</i>	MTL 48	Head
2	Model Test Of A 32 Meters High Speed Catamaran (Resistance Test And Seakeeping Test)	Ngv Tech Sdn Bhd 508, Block D, Pusat Dagangan Phileo Damansara 1, No 19, Jalan 16/11 Off Jalan Damansara, 46350 Petaling Jaya, Selangor, Malaysia	9/5/2006	<i>Financial; records missing</i>	MTL 47	Head

3	Model Test Of A 34 Meters Fast Security Vessel (Resistance Test And Roll Test)	Ngv Tech Sdn Bhd 508, Block D, Pusat Dagangan Phileo Damansara 1, No 19, Jalan 16/11 Off Jalan Damansara, 46350 Petaling Jaya, Selangor, Malaysia	15/3/2006	<i>Financial; records missing</i>	MTL 46	Head
4	Model Test Of A 85 Meters Oil Tanker (Resistance Test)	E. A. Technique (M) Sdn Bhd Unit 5-6-5, Prima Peninsular, No 2, Jalan Setiawangsa li, Taman Setiawangsa, 54200 Kuala Lumpur, Malaysia	3/3/2006	<i>Financial; records missing</i>	MTL 45	Head
5	Model Test Of A 26 Meters Ferry (Resistance Test)	Fajar Marindo Pte Ltd 133, New Bridge Road, # 12-01 China Town Point, Singapore 059413	24/12/2005	14,450.00	MTL 44	Head
6	Model Test Of A 39 Meters Yatch With Modified Bow (Resistance Test)	Megaway Engineering & Trading Pte Ltd No 8 Gul Link, Singapore 629378	2/12/2005	7,560.00	MTL 43	Head
7	Model Test Of A 39 Meters Yatch (Resistance Test, Roll Test And Seakeeping Test)	Megaway Engineering & Trading Pte Ltd No 8 Gul Link, Singapore 629378	13/10/2005	23,000.00	MTL 42	Head
8	Model Test Of A 32 Meters Patrol Vessel (Resistance Test, Roll Test, Seakeeping Test And Paint Smear Test)	Psc Navaltech Sdn Bhd Pengkalan Tldm, 32100 Lumut, Perak, Malaysia	28/5/2005	40,428.00	MTL 41	Head
9	Model Test Of A 25 Meters Patrol Boat (Resistance Test)	Sea Crest 1993 Co Ltd 98 Moo 2 Taiban Road, Tumbol Taiban Muang, Samutprakam, 10280, Thailand	31/3/2005	10,800.00	MTL 40	Head
10	Model Test Of A 40 Meters Buoy Tender Vessel (Resistance Test And Paint Smear Test)	Ngv Tech Sdn Bhd No 508, Blok D, Phileo Damansara 1, No 9, Jalan 16/11 Off Jalan Damansara, 46350 Petaling Jaya, Selangor	14/2/2005	25,000.00	MTL 39	Head
11	Model Resistance Tests Of A 147.8 Meters Universal Tanker	Tero Marine (S) Pte. Ltd. 3 International Business Park, #03-08, Nordic European Centre, Singapore 609927	21/5/2004	18,000.00	MTL 36	Head

12	Model Resistance Tests Of A 62.8 Meters Anchor Handling Tug	Tero Marine (S) Pte. Ltd., 3 International Business Park, #03-08, Nordic European Centre, Singapore 609927	8/3/2004	15,000.00	MTL 358	Head
13	Model Resistance Tests Of A 15.0 Meter Harbour Patrol Boat	Shiptech Naval Architects Pte. Ltd. 180 Paya Lebar Road #08-06, Yi-Guang Factory Building, Singapore 409032	27/9/2003	20,036.00	MTL 29	Head
14	MODEL RESISTANCE TESTS OF A 16 METER STEEL PILOT BOAT (Research Project)	UNIVERSITI TEKNOLOGI MARA (Uitm), UNIVERSITI TEKNOLOGI MARA, 40450 SHAH ALAM, SELANGOR, MALAYSIA	18/8/2003	2,925.00	MTL 27	Head
15	Model Resistance And Paint Smear Tests Of A 64 Meter Hydrographic Survey Ship	Psc-Naval Dockyard Sdn Bhd Naval Base, 32100 Lumut, Perak, Malaysia	8/8/2003	41,000.00	MTL 26	Head
16	Model Resistance Tests Of A 34.0 Meter Crewboat	Shiptech Naval Architects Pte. Ltd. 180 Paya Lebar Road #08-06, Yi-Guang Factory Building, Singapore 409032	31/10/2002	27,250.00	MTL 23	Head
17	Model Tests Of A 55.75 Meters Buoy Tender Vessel (Resistance Test, Roll Test & Paint Smear Test)	Isd & Associates Sdn Bhd, 48-D, Jalan Brp 6/11, Bukit Rahman Putra, Sg. Buluh, Seksyen U20, 47000 Shah Alam, Malaysia	5/4/2002	23,000.00	MTL 21	Head
	Model Resistance Tests Of A 42.50 Meter Fire Fighting Vessel	Shiptech Pte. Ltd., 180 Paya Lebar Road #08-06, Yi-Guang Factory Building, Singapore 409032	25/1/2002	34,000.00	MTL 018	Head
	Model Resistance Test Of A 34 Metre Multi Mission Vessel (With Modified Bow)	Hydromarine Asia Pte. Ltd. Naval Architects & Marine Engineers No 30, Jalan Besi 1, Taman Sri Putri, 81300 Skudai, Johor Bahru, Malaysia	15/5/2001	22,000.00	MTL 003C	Head
	Model Resistance Test Of A 17 Metre "M" Hull Fast Patrol Craft	Kaymarine Sdn Bhd, Lot 2650 & 2651, P.O. Box 92, Bukit Tumbuh, 20100 Kuala Terengganu, Terengganu, Malaysia	25/10/2000	21,100.00	MTL 015	Head
	Model Resistance Test Of A 33m Transportation Vessel With & Without Long Bulb	Hydromarine Asia Pte. Ltd. Naval Architects & Marine Engineers, No 30, Jalan Besi 1, Taman Sri Putri, 81300 Skudai, Johor Bahru, Malaysia	28/9/2000	22,000.00	MTL 014	Head

MEMORANDUM OF UNDERSTANDING/MEMORANDUM OF AGREEMENT

NO	TAJUK	SKOP	TARIKH	JUMLAH (RM)	PERANAN
1.	MOU di antara Universiti Teknologi Malaysia dan Jabatan Laut Malaysia	Penyelidikan, Latihan Industri, Latihan dan Kursus, Penerbitan dan promosi	17 Mac 2015	-	Penyelarasa
2.	MOA di antara Universiti Teknologi Malaysia dan Jabatan Kerja Raya	Research Project “ Sustainable Hydrokinetic Renewable Energy (Part 1)	6 Januari 2014	1,099,000	Penyelarasa
3.	MOA di antara Universiti Teknologi Malaysia dan Lembaga Pelabuhan Johor	Research Project “ Ship Emissions Analysis in Pasir Gudang Port”	April 2015	35,000	Ketua Projek
4.	Collaboration Agreement Between Boustead Naval Shipyard Sdn. Bhd. And Universiti Teknologi Malaysia	Penyelidikan, Latihan Industri, Latihan dan Kursus, Penerbitan dan promosi	March 2019		Ketua/ PIC
5.	MOU di antara National Ocean Technology Center, China dengan Universiti Teknologi Malaysia	Pelaksanaan Projek Malaysia-China Research and Cooperation on Marine Renewable Energy Utilization	April 2019	RM471,000	Ketua/ PIC