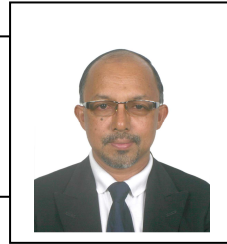


**CURRICULUM VITAE**  
**Professor Dr. Omar bin Yaakob, B.Sc., M.Sc., Ph.D,**  
**C. Eng (UK), FRINA, Assoc. A.Sc. Malaysia**



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

## 1.0 Personal Details

---

Name : Omar Yaakob

Current Position : Professor

Area of Specialisation : Marine Technology

Nationality : Malaysian

Date of Birth : 20<sup>th</sup> August 1960

Place of Birth : Baling, Kedah

Office Address : Marine Technology Centre,  
Universiti Teknologi Malaysia,  
81310 UTM Skudai

E-mail address : omar@fkm.utm.my/ omar\_yaakob@yahoo.com

Office Tel. No : +607-5534696

Mobile phone : +6012-7086482

Fax : +607-5574710

## 2.0 Academic Qualifications

---

Year	Degree	Field	University
1983	B.Sc (Hons)	Marine Engineering	Newcastle-Upon-Tyne
1987	M.Sc.	Marine Technology	Newcastle-Upon-Tyne
1999	Ph. D.	Seakeeping Design	Newcastle-Upon-Tyne

## 3.0 Professional Qualifications/Affiliations

---

1. Fellow of Royal Institution of Naval Architects (FRINA)
2. Associate of Malaysian Academy of Science (Assoc. A. Sc)
3. Chartered Engineer (C. Eng. United Kingdom)
4. Member of Malaysian Society for Engineering and Technology

## 4.0 Career History

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

## 5.0 Past and Current Administrative Positions

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Post	Department/Section	Resources under Control	Beginning	End
Member of University Senate	UTM Senate		1 <sup>st</sup> Feb 2014	Present
Deputy Dean (Academic)	Faculty of Mechanical Engineering	180 Academic Staff	1 <sup>st</sup> May 2010	April 2012
Head	Department of Marine Technology	12 Academic staff	15 <sup>th</sup> May 2007	30 <sup>th</sup> April 2010
Head	Marine Technology Laboratory	RM30 Million Facilities, 7 Technical Staff	1 <sup>st</sup> November 1999	22 January 2008
Head/Coordinator	Marine Technology Panel	12 Academic Staf	1st June 1997	31 December 1998
Head	Department of Fluids and Thermodynamics	55 Academic Staff, 40 Technical Staff	1st October 1989	31 <sup>st</sup> December 1991

## RECENT CONTRIBUTIONS/ACHIEVEMENT

6.

### PUBLICATION ACTIVITIES

To download the papers, please follow this link

<https://teknologimalaysia.academia.edu/OMARYAAKOB>

#### 6.1 INDEXED JOURNAL PAPERS

1. **O. Bin Yaakob**, K.B. Tawi and D.T. Suprayogi Sunanto, Computer Simulation Studies on the Effect of Overlap Ratio for Savonius Type Vertical Axis Marine Current Turbine, International Journal of Engineering, IJE Transactions A: Basics Vol. 23, No. 1, January 2010, pp 79- 88,
2. O.B. Yaakob, Yasser M. Ahmed, M.N., Bin Mazlan, K.E. Jaafar and R.M. Raja Muda, Model Testing of an Ocean Wave Energy System for Malaysian Sea, World Applied Sciences Journal, ISSN 1818-4952, 22 (5): 667-671, 2013, DOI:0.5829/idosi.wasj.2013.22.05.2848
3. O. Yaakob, D.T. Suprayogi , M. P. Abdul Ghani, K. B. Tawi , Experimental Studies on Savonius-Type Vertical Axis Turbine For Low Marine Current Velocity, , International Journal of Engineering, IJE Transactions A: Basics, Volume 26 - 1 - Transactions A: Basics, January 2013, pp. 521-530
4. Islam, M.R. **Yaakob**, **O.B.** Malik, A.M.A. Kamal, M.Y.B.M., Computational Simulation of Current Forces on Floating Production Storage and Offloading in Irregular Waves, Scientia Iranica Transaction B-Mechanical Engineering, Vol 17, No1, pp.53-60. March 2010 (ISI Elsevier & Scopus)
5. Rajoo Balaji and **Omar B Yaakob**, Emerging Ballast Water Treatment Technologies: A Review, Journal of Sustainability Science and Management, Volume 6 Number 1, pp. 126 – 138, June 2011 (Scopus)
6. **Omar bin Yaakob**, Ahmad Nasirudin, M. P. Abdul Ghani, Tholudin Mat Lazim, Mohd Afifi Abdul Mukti and Yasser Mohamed Ahmed, Parametric Study of A Low Wake-Wash Inland Waterways Catamaran", Scientia Iranica, Transaction B: Mechanical Engineering, Volume 19, Issue 3, June 2012, Pages 463–471 (ISI Elsevier & Scopus)
7. Balaji, R.; Yaakob, O., An analysis of shipboard waste heat availability for ballast water treatment , Proceedings of IMarEST - Part A - Journal of Marine Engineering and Technology, Volume 11,

Number 2, April 2012, ISSN 1476-1548 pp. 15-29(15)

8. Yasser Mohamed Ahmed, Aizat Bin Jamail, Omar Bin Yaakob, Boat Survey Using Photogrammetry Method, *International Review of Mechanical Engineering (IREME)* November 2012 (Vol. 6 N. 7) Vol. 6 n. 7, pp. 1643-1647 .
9. Omar bin Yaakob and Kho King Koh, The Promise of Marine Renewable Energy in Malaysia: Too Good To Be True? *Malaysian Journal of Science* 32 (SCS Sp Issue) : 309-316 (2013)
10. Rajoo Balaji; Omar Yaakob; Faizul Amri Adnan; K.K. Koh, Design verification of heat exchanger for ballast water treatment, *Jurnal Teknologi (Sciences and Engineering)*. 2014;66(2):61-65.
11. Dedy Triawan Suprayogi; Omar Yaakob; Faizul Amri Adnan; Mohamad Pauzi A. Ghani; Usman Ullah Sheikh Izzat Ullah Sheikh Field measurement of fishing boats generated waves, *Jurnal Teknologi (Sciences and Engineering)*. 2014;66(2):183-188.
12. Rajoo Balaji, Omar Yaakob, Kho King Koh, A review of developments in ballast water management, *Environmental Reviews, Environmental Reviews*. 2014;22(3):298-310.
13. A. Reza Hassanzadeh; Omar Yaakob; Yasser M. Ahmed; M. Arif Ismail, Comparison of conventional and helical savonius marine current turbine using computational fluid dynamics, *World Applied Sciences Journal*. 2013;28(8):1113-1119.
14. O. B. Yaakob, Yasser M. Ahmed, A. H. Elbatran, H. M. Shabara, A Review on Micro Hydro Gravitational Vortex Power and Turbine Sytems, *Jurnal Teknologi (Sciences & Engineering)* 69:7 (2014), 1–7 eISSN 2180–3722 |
15. Yasser M. Ahmed, Omar Yaakob, Bong K. Sun, Design of a New Low Cost ROV Vehicle, *Jurnal Teknologi (Sciences & Engineering)* 69:7 (2014), 27–32 eISSN 2180–3722
16. Sirous Zamanirad; Mohammad S. Seif; Mohammad R. Tabeshpur; Omar Yaakob, Investigation of hydroelastic effect in analysis of high-speed craft, *Journal of Ships and Offshore Structures*, DOI:10.1080/17445302.2014.954302 Published online: 01 Sep 2014 2014.
17. Balaji, R., & Yaakob, O.(2014). Ballast Water Management Triad: Administration, Ship Owner and the Seafarer. *International Journal of Environmental, Ecological, Geological and Mining Engineering (Vol.8 8:473-477)*.
18. O. Yaakob, D.T. Suprayogi , M. P. Abdul Ghani, K. B. Tawi , Experimental Studies on Savonius-Type Vertical Axis Turbine For Low Marine Current Velocity, , *International Journal of Engineering, IJE Transactions A: Basics*, Volume 26 - 1 - Transactions A: Basics,

January 2013, pp. 521-530

19. Ami Hassan Bin Md Din, Kamaludin Bin Haji Mohd Omar , Omar Bin Yaakob , Wan Aminullah Bin Wan Abdul Aziz, Ocean Wind Speed Characteristic Over Malaysian Seas From Multimission Satellite Altimeter During Monsoon Periods, *Jurnal Teknologi (Sciences And Engineering)*, 71:4, 79-82

## 6.2 NON-INDEXED JOURNAL PAPERS

1. **Omar Yaakob**, Norazimar Zainudin, Yahya Samian, Adi Maimun, Abdul Malik & Robiahtul Adawiah Palaraman, Presentation and Validation of Remote Sensing Ocean Wave Data, *International Journal of Research and Reviews in Applied Sciences* ISSN: 2076-734X, EISSN: 2076-7366, Volume 4, Issue 4 (September, 2010), pp. 373-379
2. **Omar Yaakob**, Norazimar Zainuddin, *Preliminary Work In Using Satellite Wave Data To Develop Malaysian Ocean Wave Database*, *Journal of Physical Science*, Vol. 16(2), 135-143, 2005.
3. Adi Maimun, **Omar Yaakob**, Md. Ahmad Kamal, Ng Chee Wai, Seakeeping Analysis of a Fishing Vessel Operating in Malaysian Water, *Jurnal Mekanikal*, Dec 2006, No 22, pp. 103-114
4. **Omar Bin Yaakob** And Quah Peng Chau , Weather Downtime And Its Effect On Fishing Operation In Peninsular Malaysia *Jurnal Teknologi*, No. 42, pp. 13-26, Penerbit Universiti Teknologi Malaysia, Jun 2005
5. **Omar Yaakob**, Teoh Eng Lee, Liew Yek Wai, Koh Kho King, Design Of Malaysian Fishing Vessel For Minimum Resistance, *Jurnal Teknologi*, No. 42, pp. 1-12, Penerbit Universiti Teknologi Malaysia, Jun 2005
6. **Omar Yaakob**, Suhaili Shamsuddin, Koh Kho King, *Stern Flap for resistance Reduction of Planing Hull Craft: A Case Study with a Fast Crew Boat Model*, *Jurnal Teknologi*, No. 41, pp. 43-52, Penerbit Universiti Teknologi Malaysia, Dis. 2004.
7. Mohd Arif Abd Rani, Zulkepli Majid, Omar Yaakob, Albert Chong, Ship Wake Study Using Imaging Technique, *Geoinformation Science Journal*, Vol. 10, No. 2, 2010, pp: 74-80
8. Yasser Mohamed Ahmed Abdel Razak, Omar Bin Yaakob, Aly

Hassan Abdalla Abdelbaky, Umar Jalaluddin Bin A Mazuke, Ellis  
Turbine For Wave Energy Conversion For Malaysian Ocean, Journal  
Of Ocean, Mechanical And Aerospace, 8 12-16

### 6.3 INDEXED CONFERENCE PAPERS

1. O. B. Yaakob, Yasser M. Ahmed, Ahmad F. Said, Fish Locomotion for Innovative Marine Propulsion Systems, 8th CUTSE International Conference; 3rd - 4th December 2013; Curtin University Sarawak, Malaysia.
2. Omar Yaakob, M. Arif Ismail, Yasser M. Ahmed, Parametric Study for Savonius Vertical Axis Marine Current Turbine using CFD Simulation Latest trends in renewable energy and environmental informatics, Proceedings of the 7th International Conference on Renewable Energy Sources (RES '13), Proceedings of the 1st International Conference on Environmental Informatics (ENINF '13), Kuala Lumpur, Malaysia, April 2-4, 2013, 200-205.
3. Rajoo Balaji and Omar Yaakob, Envisaging a Ballast Water Treatment System From Shipboard Waste Heat, Proceedings of International Conference on Marine Technology (ICMT 2012), 25-28 June 2012, Harbin, China. PAPER H221.
4. Omar Yaakob, Mohd. Afifi Abd. Mukti, Ahmad Nasirudin, Tholudin Mat Lazim, Mohd. Pauzi Abd. Ghani, Kamarul Baharin Tawi, A Low Wash Hullform and Pollutant **Free** Inland Waterways Leisure Craft, Proceedings 3<sup>rd</sup> International Conference on Maritime And Naval Science And Engineering (MN'10), Constanta, Romania, 3rd-5th Sept 2010. WSEAS Press. ISSN 1792-4707, pp. 212-216. (ISI and Scopus-indexed)
5. **Omar Yaakob**, Kamarul Baharin Tawi, Dedy Triawan Suprayogi, Development Of Vertical Axis Marine Current Turbine Rotor, Proceedings International Conference on Renewable Energy, Royal Institution of Naval Architects, 19-20<sup>th</sup> November 2008, London, pp. 77-84
6. Andi Haris Muhammad, Adi Maimun, **Omar Yaakob**, Agoes Priyanto, Effect of Spray-Strake On Patrol Vessel Manoeuvrability, Proceedings of the 27th International Conference on Offshore Mechanics and Arctic Engineering, OMAE 200, June 15-20, 2008, Estoril, Portugal
7. Maimun, A., Yaakob, O., Muhammad, A.H., Priyanto, A., Effect of spray-strake on manoeuvring performance of a planing hull, Proc. *International Conference High Speed Craft - ACV's, WIG's and Hydrofoils*, 2006, pp.

#### 6.4 BOOK CHAPTER

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

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

	<b>NON-INDEXED CONFERENCE PAPERS</b>
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- |     |   |
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| 6.4 | <ol style="list-style-type: none"> <li>1. Rajoo Balaji, Omar Yaakob, Design Verification of Waste Heat Exchanger for Ballast Water Treatment with Cost as Objective Function, 12 International UMT Annual Symposium, UMTAS 2013, 8-10 Oct 2013, Theme: Advancements in Marine and Freshwater Sciences.</li> <li>2. Omar bin Yaakob, Kamaludin bin Hj. Mohd Omar, Ami Hassan Md Din, Wan Aminullah Wan Abdul Aziz, Farah Ellyza Hashim, Wave Energy Resource Assessment for South China Sea Using Satellite Altimetry, <i>Asia Future Energy Forum (AFEF)</i>, 28-29 October 2013. Singapore</li> <li>3. Ami Hassan Md Din, Sahrum Ses, Kamaludin Mohd Omar, Marc Naeije, Omar Yaakob and Muhammad Faiz Pa'suya. Determination of Sea Level Anomaly using Multi-satellite Altimetry for Sea Level Monitoring. The 12th International Symposium &amp; Exhibition on Geoinformation (ISG 2013), Universiti Teknologi Malaysia, Kuala Lumpur. 24 - 25 Sept. 2013.</li> <li>4. Ami Hassan Md Din, Sahrum Ses, Kamaludin Mohd Omar, Marc Naeije, Omar Yaakob and Muhammad Faiz Pa'suya. Derivation of Sea Level Anomaly Based on the Best Range and Geophysical Corrections for Malaysian Seas using Radar Altimeter Database System (RADS) FGHT Postgraduate Seminar. Faculty Geoinformation and Real Estate, UTM. 19th Nov. 2013.</li> <li>5. Rajoo Balaji, Omar Yaakob, Kho King Koh, Design Verification of Waste Heat Exchanger for Ballast Water Treatment with Cost as an Objective Function, 12th International UMT Symposium (UMTAS 2013). Universiti Malaysia Terengganu. 8-10 October 2013, Kuala Terengganu, Malaysia.</li> <li>6. Ismail Zainol and Omar Yaakob , Surface Piercing Propellers For Fuel-Saving Inshore Fishing Boats, 2nd International Conference on Mechanical, Automotive and Aerospace Engineering 2013 ICMAAE '13, paper no 30037, Kuala Lumpur, July 2013</li> <li>7. Omar bin Yaakob, Mohamad Pauzi bin Abdul Ghani, Md. Afendi bin M. Yusuf, Mohd Rajali bin Jalal, Mohd Arif Ismail, Development Of Ocean</li> </ol> |
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- Energy Devices For Malaysian Water, Universiti Teknologi Malaysia, 1st Malaysian Ocean Renewable Energy Symposium 2013, June 2013, Putrajaya
8. 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.
  9. Omar bin Yaakob and Kho King Koh, The Promise of Marine Renewable Energy In Malaysia: Too Good To Be True?, International Conference on the South China Sea, Universiti Malaya, Kuala Lumpur October 2012.
  10. O. Yaakob, Z. Mohamed, M. S. Hanafiah, D. T. Suprayogi, M. P. Abdul Ghani, F. A. Adnan, M. A. A. Mukti and J. Din, Development Of Unmanned Surface Vehicle (USV) for Sea Patrol And Environmental Monitoring, Proc. International Conference on Marine Technology, Kuala Terengganu, Malaysia, 20-22 October 2012. Paper no MTP-85
  11. Wan Aminullah Wan Abdul Aziz, Omar Yaakob, Kamaludin Mohd Omar and Ami Hassan Md Din, Ocean Wave Mapping Over Malaysian Seas From Multi-Mission Satellite Altimeter During Monsoon Periods, Proc. International Conference on Marine Technology, Kuala Terengganu, Malaysia, 20-22 October 2012. Paper no MTP-21.
  12. Dedy Triawan Suprayogi, Faizul Amri Adnan, Omar Yaakob, Mohamad Pauzi A. Ghani, Usman Ullah Sheikh Izzat Ullah Sheikh, Field Measurement of Fishing Boats Generated Waves, The 6th Asia-Pacific Workshop on Marine Hydrodynamics-APHydro2012, September 3-4, 2012, Johor Bahru.
  13. Omar Yaakob, Yasser M. Ahmed, Mohd Arif Ismail, Validation Study for Savonius Vertical Axis Marine Current Turbine Using CFD Simulation, The 6th Asia-Pacific Workshop on Marine Hydrodynamics-APHydro2012, September 3-4, 2012, Johor Bahru.
  14. Omar Bin Yaakob, Marine Renewable Energy Initiatives in Malaysia and South East Asia, 13th meeting of the United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea, New York, 29 May to 1 June 2012
  15. Omar Yaakob, Y. Ahmed, M. Rizal Othman, "Studying the Hydrodynamic Characteristics of Sprint Master canoe", International Conference on Applications and Design in Mechanical Engineering 2012 (ICADME 2012), 27-28 February 2012, Penang, Malaysia.
  16. Omar Yaakob, Kang Hooi Siang, Mohamad Rafiqul Islam , Mohamad Afifi Abdul Mukti, Muhammad Akmal bin Azizan, Marine Structures Afloat: The New Naval Architecture and Offshore Engineering Bachelor Program at UTM, Proceedings, The Asia-Pacific Offshore Conference-APOC2010, Kuala Lumpur, December 13-14, 2010
  17. M. Rajali, M.P Abdul Ghani, N Ismail, and O Yaakob, Current loading Analysis on a Semi-submersible –FPS Platform Using CFD, Asia Pacific Offshore Conference (APOC2010) , Kuala Lumpur 13-14 December 2010
  18. M.P Abdul Ghani, N Ismail, O Yaakob, and A. Priyanto, Experimental Analysis on Motions of a Free Floating Semi-FPS in Irregular Waves, Asia Pacific Offshore Conference (APOC2010) , Kuala Lumpur 13-14 December 2010
  19. Ami Hassan Md Din, Sahrum Ses, Kamaludin Mohd Omar, Omar Yaakob and Benny N.Peter, Influence of Wave and Wind Pattern on Sea Level Variations in Malaysian Seas, IOC/WESTPAC, 8th International Scientific Symposium, Ocean Climate and Marine Ecosystems in the Western Pacific, Paradise Hotel Busan, Republic of Korea. 28 -31 March, 2011.
  20. Rajoo Balaji and Omar Yaakob , A Shipboard Resource Based Ballast



Water Treatment System, Proceedings of 10th International Annual Symposium (UMTAS 2011), 11th-13th July 2011, Kuala Terengganu, Malaysia. PAPER EP45

21. Omar Yaakob, Mohammad Pauzi Abdul Ghani, Faizul Amri Adnan ,The Effect Of Enviromental Factors And Vessel Parameters On Ship Generated Waves, Marine Science And Technology Conference 2011, 12-13 September 2011, Kuala Lumpur.
22. Omar Yaakob, Shipping and the Environment GHG Emissions from Ships: Report from MEPC62, Briefing to Malaysian Marine Department, 15 August 2011, Port Klang.
20. Yaakob, O., Ab Rashid, T. T., & Mukti, M. A. (2006, August). Prospects for ocean energy in Malaysia. In International Conference on Energy and Environmental (ICEE), Kuala Lumpur (pp. 28-30).
21. Yaakob, O., Abdul Ghani, M. P., Tawi, K. B., Suprayogi, D. T., Aziz, A., & Bin Jaafar, K. E. (2008). Development of Ocean Wave and Current Energy Device. In Proceedings Seventh UMT International Symposium on Sustainability Science and Management (UMTAS) (pp. 519-530).
22. Yaakob, O. B., Tawi, K. B., & Sunanto, D. S. (2010). Computer simulation studies on the effect of overlap ratio for Savonius type vertical axis marine current turbine. *engine. J*, 23(1), 79-88.
23. O. Yaakob, D.T. Suprayogi , M. P. Abdul Ghani, K. B. Tawi , Experimental Studies on Savonius-Type Vertical Axis Turbine For Low Marine Current Velocity, , *International Journal of Engineering, IJE Transactions A: Basics*, Volume 26 - 1 - Transactions A: Basics, January 2013, pp. 521-530
24. Yaakob, O., Maimun, A., Koh, K. K., Muhammad, A. H., & Setyawan, D. (2003, July). Wave Data Collection and Modelling for Engineering Applications. In International Hydrographic and Oceanographic Industry 2003 Conference, Kuala Lumpur.
25. Maimun, A., Yaakob, O., Kamal, M., & Ng, C. W. (2006). Evaluation of seakeeping analysis of a fishing vessel using a wave buoy and onboard motions monitoring device.
26. 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.
27. Omar bin Yaakob, Saharuddin Abdul Hamid, Abd Saman Ab Kader (2010, March). Marine industry issues and challenges – Education and R&D Perspectives. 1<sup>st</sup> National Marine Industries Forum, Kuala Lumpur.
28. Omar Yaakob and Koh Kho King. Comparative study on seakeeping qualities of ship.
29. Yaakob, O., Mukti, A., Afifi, M., Nasirudin, A., Tawi, K. B., & Mat Lazim, T. (2006). The wake wash prediction on an asymmetric

catamaran hull form.

30. Mukti, Abd, Mohd Afifi, Kamarul Baharin Tawi, Omar Yaakob, Ahmad Nasirudin, Abd Ghani, Mohd Pauzi, and Tholudin Mat Lazim. "An environmental friendly leisure boat." (2006): 1-3.

31. Yaakob, O., Zainudin, N., & Palaraman, R. A. (2005). Application of Remote Sensing in Ocean Wave Data Collection for Engineering Purpose. Asian Association on Remote Sensing – 26<sup>th</sup> Asian Conference on Remote Sensing and 2<sup>nd</sup> Asian Space Conference, ACRS 2005. 2005; 1:590-597.

#### 6.5 **Editorial Board & Editor**

Member of Editorial Board for Scientia International Journal of Science and Technology (**Scopus-indexed**)

Member of Editorial Board for Journal of Naval Architecture and Marine Engineering

Member of Editorial Board for International Journal of Marine Technology

Editor Book Chapter, **Advances In Marine Technology**, ISBN 978-983-52-0546-0, Universiti Teknologi Malaysia, 2006.

Chief Editor, Journal of Transport System Engineering, Universiti Teknologi Malaysia (new Journal 2014)

#### 6.6 **Referees, Reviewer**

Reviewer for Jurnal Mekanikal (August 2010)

Reviewer for Journal of Naval Architecture and Marine Engineering (Nov 2009)

Reviewer for UMT Journal of Sustainable Technologies (Feb 2010)

Reviewer for Asian Journal of Teaching and Learning (April 2009)

### 7 **EXPERTISE RECOGNITION AND APPOINTMENT**

#### 8.1 **National Appoinment**

Chairman of Malaysian Qualification Agency Panel on Bachelor of Marine Electrical and Electronics Engineering , Malaysian Qualification Agency, Feb

a. 2009

External Examiner for B. Tech. Naval Architecture and Shipbuilding in UniKL-MIMET, Lumut. January 2009 - Disember 2014

b. External Examiner for Masters Thesis Universiti Teknologi Petronas (May 2010, December 2013)

c. Member of External Advisory Committee for Universiti Pertahanan Nasional Malaysia (April 2010)

d. Member of Commitee for National Level WORLD MARITIME DAY (November 2009)

- f. Member of Organising Committee for Seminar on Protection of marine Environment , World Maritime Day (December 2009)
- g. Deputy Chairman of APOC 2010 (April 2010)
- h. Member of Technical Committee of Malaysian Ship Owners Association (MASA)

## 8.2 International Recognition

- a. Appointed Chartered Engineer (UK) Engineering Council (May 2010)
- b. Appointed Fellow of Royal Institution of Naval Architects (November 2011)
- c. Appointed by United Nation as Panelist at United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea (29 June- 1<sup>st</sup> June 2012)

## 8.3 Invited Speakers

- a. Invited Speaker to World Maritime Day National Level Seminar 2009
- b. Invited Speaker to MIMA Seminar (May 2009)
- c. Invited Speaker to 1st National Maritime Industry Forum (Jan 2010)
- d. Invited Speaker to South East Asia Collaboration for Ocean Renewable Energy (SEAcORE, Singapore) (February 2013)
- d. Invited Speaker to Ocean Renewable Energy workshop (Surabaya) (December 2013)

## 8.4 National Recognition

Appointed as an Associate of Akademi Sains Malaysia (April 2010)

## 8.5 Advisor to the Government

- a. Member of Malaysian Government Expert Group for International Maritime Organisation Gas Emission Control (May 2009)
- b. - Malaysian Representative to the International Maritime Organisation (May 2009):
- c. - Malaysian Representative to the International Maritime Organisation (May 2010):
- d. Malaysian Representative to the International Maritime Organisation (July 2011)
- e. Malaysian Representative to the International Maritime Organisation (March 2012)
- f. Malaysian Representative to the International Maritime Organisation (May 2013)
- g. Invited as an expert in Bengkel Halatuju Pengajian Maritim MOHE (Nov 2009)
- h. Appointed as a member of Renewable Energy Sub-committee at MOSTI (March 2010)
- i. Appointed as Panel for Dewan Bahawa dan Pustaka (July 2010)

## 9 Research

- a. Head of Science Fund Project on USV (RM 469,000) Oct 2009- June 2011)
- b. Head of MOHE ERGS Research Group (RM127,000) ( June 2013- May 2015)
- c. Head of Science Fund Project Ballast water (RM 230,000) Oct 2012 – Sept 2014

- d. UTM Coordinator Head of UTM-JKR Hydrokinetic Turbine Project (RM3.9M) Oct 2013 – Sept 2016
- e. Head of UTM Flagship Sub-Project on Ship Energy Efficiency Management Tool (RM50,000), (April 2014 – March 2015)
- f. Head of FRGS Project on Ship generated waves (RM122,000) July 2014 – June 2016

**10 Administration**

- a. Acting Dean of Faculty of Mechanical Engineering ( 1 June - 31 July 2010)
- b. Head of Department of Marine Technology 1 May 2007 - 30 April 2010
- c. Deputy Dean (Academic) 1 May 2010 – April 2012