

**1) Personal**

Name: **HASSAN**  
 Family Name: **ABYN**  
 Date of Birth: 1966  
 Place of Birth: Maragheh, IRAN  
 Nationality: Iranian



Affiliation: Engineering Faculty, Persian Gulf University, Bushehr, Iran

**2) Education**

- **Primary and High School**

1974-1979 Elementary School, Ministry of Education and Culture, Iran, (First class)  
 1979-1982 Second Elementary, Ministry of Education and Culture, Iran, (First class)  
 1982-1987 High School, Ministry of Education and Culture, Iran, (First class)

- **Undergraduate Study**

1987-1992 **BSc.**, Naval Architecture Department, Polytechnic University, Tehran , Iran.

- **Postgraduate Study**

1993-1996 **MSc.**, Naval Architecture Department, Faculty of Mechanical Engineering, Sharif University of Technology, Tehran, Iran.  
 MSc. Thesis: **Design of Floating Breakwaters.**

2008-2014 **PhD student**, Marine Technology Department, Faculty of Mechanical Engineering, University Technology Malaysia  
 PhD Thesis: **Hydrodynamic Interaction and Relative Motions of Floating Structures in Waves.**

**3) Industrial Experience**

- Naval architect and design engineer for Arvandan Shipbuilding Company that produced aluminum and steel boat, Tehran, Iran (1994 - 1995)
- Naval architect and design engineer for Moshaverin-Sahel marine consulting firm in onshore, Tehran, Iran (1996 – 1998)
- Licensed employment base of building engineering systems (2003- Present).

**4) Academic Experience****4-a) Education**

Jan. 1998- present Lecturer in Government **Persian Gulf University**, Boushehr, Iran  
[www.pgu.ac.ir](http://www.pgu.ac.ir)  
 Jan. 1998-2008 Associate Advisor of Graduate Thesis in Naval Architecture

#### 4-b) Teaching Duties

##### *At the undergraduate level*

- Static
- Dynamics
- Strength of Materials
- Computer programming
- Engineering Drawing
- Fluid Mechanics
- Ship Technology
- Ship Hydrostatic
- Ship Hydrodynamic
- Supervision of final year undergraduate students' project
- Auto Mechanics Workshop

#### 4-c) Administrative

##### *Member of various Committees & NGO's:*

1998- Present	Iranian Association of Naval Architecture & Marine Engineering (IRANAME)
1998- Present	Naval Architecture Department Committee in Persian Gulf University
2002- 2006	Head of Naval Architecture Department in Persian Gulf University
2003- Present	Engineering Organization of Building (Busher, Iran)
2003-2006	Representative for Lecturers of Persian Gulf University
2005-2008	COE for Staff Houses Cooperative of Persian Gulf University
2006-2008	Education Committee Member in Bushehr Engineering Organization of Building

#### 5) Publications

##### *5-a) Books*

- Course Notes on Hydrodynamics for Naval Architectures, Persian Gulf University.

##### *5-b) Scientific Papers*

###### *In Persian:*

۱. حسن آبین، سومین کنفرانس بین المللی سواحل، بنادر و سازه های دریایی، "موج شکن های شناور" ۲۴ آذر ۱۳۷۷ تهران
۲. حسن آبین، پنجمین کنفرانس بین المللی سواحل، بنادر و سازه های دریایی " تحلیل رفتار دینامیکی اجسام شناور با استفاده از روش المان مرزی" ۲۲ مهر ۱۳۸۱ رامسر
۳. سعید جامعی، حسن آبین، پنجمین همایش ملی صنایع دریایی ایران، "مطالعه پارامتری بر روی به آب اندازی جکت ها" دی ۱۳۸۲، تهران
۴. سعید جامعی، حسن آبین، هشتمین همایش ملی صنایع دریایی ایران، "پلی استرهای تقویت شده بعنوان ماده سازه ای در ساخت شناور" آبان ۱۳۸۵، تهران

###### *In English:*

###### *Journal:*

1. **Hassan Abyn**, Adi Maimun, Jaswar, M. Rafiqul Islam, Allan Magee, Behnam Bodaghi, Mohammad Pauzi, C.L. Siow, C.L. Siow, M. Mobassher Tofa, "Hydrodynamic

- Interaction of Floating Structure in Regular Waves**", Jurnal Teknologi, Volume 66, Nubmer 2, p91-96, January 2014. (ISSN: 2180-3722).
2. CL Siow, J Koto, Hassan Abyn, Adi Maimun, **"Gap distance analysis of floating structures in tandem arrangement"**, Jurnal Hydraulic Engineering II , , p255-262, 2013. (ISBN: 978-1-138-00124-4)
  3. Siow, C. L, Jaswar Koto, **Hassan Abyn** and N.M Khairuddin, **"Linearized Morison Drag for Improvement Semi-Submersible Heave Response Prediction by Diffraction Potential"** Journal of Ocean, Mechanical and Aerospace (JOMase, ISSN: 2354-7065), V6, 2014
  4. C.L Sow, Jaswar Koto and **Hassan Abyn**, **"Semi-Submersible Heave Response Study Using Diffraction Potential Theory with Viscous Damping Correction"** Journal of Ocean, Mechanical and Aerospace (JOMase, ISSN: 2354-7065), V5, 2014
  5. M Mobassher Tofa, Adi Maimun, Yasser M Ahmed, Saeed Jamei, Saman Kader, Hassan Abyn **"Vortex induced vibration on two equally diameter cylinder with low mass ratio in tandem"** Journal of Applied Science, p 3578-3584, 2014, (ISSN: 1812-5654)
  6. Jaswar, J., Tiau, K.U., **Abyn, H.**, & Siow, C. L. **"Stability of Mobile Floating Harbor Container Crane"**, Jurnal Teknologi, Volume 66, Nubmer 2, p133-139, January 2014. (ISSN: 2180-3722).
  7. **Hassan Abyn**, Adi Maimun, M. Rafiqul Islam, Allan Magee, Jaswar, Behnam Bodaghi, Mohamad Pauzi, C. L. Siow **"Effect of Mesh Number on Accuracy of Semi Submersible Motion"**, Jurnal Teknologi, Volume 66, Nubmer 2, p67-72, January 2014. (ISSN: 2180-3722).
  8. M. Mobassher Tofa, Adi Maimun, Yasser M. Ahmed, Saeed Jamei, **Hassan Abyn** **"Experimental and Numerical Studies of Vortex Induced Vibration on Cylinder"**, Jurnal Teknologi, Volume 66, Nubmer 2, p169-175, January 2014. (ISSN: 2180-3722).
  9. M.Mobassher Tofa, Adi Maimun, Yasser M Ahmed, Saeed Jamei, Saman Kader, **Hassan Abyn** , **"Two Degree of Freedom Vortex Induced Vibration Tests of A Riser model Using Spring Bars"** Applied Mechanics and Materials Vols. 465-466 (2014) pp 1339-1346 ( **ISSN:**1662-7482)

#### *Conference:*

1. **Hassan Abyn**, Adi Maimun, Jaswar, M. Rafiqul Islam, C.L. Siow, Behnam Bodaghi Allan Magee, **"TLP Motion Effect on Semisubmersible Motion"**, Proceeding of Offshore Technology Conference Asia, Kuala Lumpur, Malaysia, Volume 1, Pages 538-548, 25–28 March 2014.
2. Allan Magee, Rizwan Sheikh, Kenneth Yeoh Hock Guan, Jaime Tan Hui Choo, Adi Maimun Abdul Malik, Mohamad Pauzi Abdul Ghani, **Hassan Abyn**, **"Model Test for VIM of Multi-Column Floating Platforms"**, Proceedings of the ASME 2011 30th International Conference on Ocean, Offshore and Arctic Engineering OMAE2011-49151, June 19-24, 2011, Rotterdam, The Netherlands.

3. **Hassan Abyn**, Adi Maimun, M. Rafiqul Islam, and Allan Magee, “**Motion Responses and Incident Wave Forces on a Moored Semi Submersible in Regular Waves**“, The International Conference on Marine Technology(MARTEC 2010), p 221-226, BUET, Dhaka, Bangladesh, December 11-12, 2010.

#### **6) Software and Computer Skills**

- Visual Fortran
- Quick Basic
- MATLAB
- AutoCAD
- Hiswa (Hind casting of shallow water)
- Operating systems such as: Windows 7, XP and also Dos.
- Microsoft Office (Excel, Word, Power point)
- Endnote
- HydroStar (Professional software on floating offshore structure)
- Ariane7 (Professional software on mooring of floating offshore structure)
- House Program on Calculation of Force, Motion and Relative Motion of Floating Structures (My PhD thesis)

#### **7) Professional Awards/Honors Received:**

- 2008 – 2011 : Persian Gulf University Scholarship
- 2008 – 2009 : UTM Research Student Grant

#### **8) Contact Information**

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Persian Gulf University  
75169, Bushehr , Iran  
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