

# **Samy Adly Mansour Youssef,**

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Naval Architecture & Ocean Engineering, Senior lecturer  
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### **Personal Data**

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### **Education**

- 1999-2004 B.Sc. Alexandria University, Alexandria, Egypt (June, 2004)
- 2009-2011 M.Sc. Arab Academy of Science, Technology & Maritime Transport, Alexandria, *Egypt*
- 2012-2015 Ph.D. Pusan National University, Busan, *South Korea*

### **Honors and Awards**

- 2004 Bachelor of Science (BSc), Naval Architecture and Ocean Engineering, Second class honours, Alexandria University, *Egypt*
- 2015 Best paper Award (Samuel Baxter Prize) from the Royal Institution of Naval Architects (RINA), *UK*
- 2015 Best paper Award (WHC Nicholas Prize) from the Royal Institution of Naval Architects (RINA), *UK*

### **Professional Experience**

- 2005-2006 *Marine engineer at Al Ghith Marine Oil Field Services (AGMS), Abo Dhabi, UAE*

- 2006-2008 Dry-dock engineer at Egyptian Ship Repairs & Building Company, Ministry of Defense. Alexandria, Egypt.  
Member of floating dock crew concerned in ship overhaul as the following:
  - Hull repair works: *Renewal of hull steel (outer shell, tanks internals and super structure) and hull cleaning and painting.*
  - Machinery repair works: *Maintenance of (Valve, Propeller, propeller shaft, shaft couplings, Rudder and rudder stock) including the withdrawing and measure all the required clearances.*
  - Docking and undocking operations: *Preparing of docking blocks according to the docking plan for each vessel required to be docked.*
  
- 2008-2012 Lecturer at Department of Naval Architecture & Ocean Engineering, College of Maritime Transport & Technology, Arab Academy of Science, Technology & Maritime Transport, Alexandria, *Egypt*  
Member of teaching staff specialist in the following academic courses:
  - *Shipyards Technology.*
  - *Technology of Ship Repair.*
  - *Naval Architecture and Ship Construction.*
  - *Ship Design.*
  - *Mechanical engineering (Static & Dynamic).*
  - *Hydraulics*
  - *Ship hydrodynamics*
  - *Ship structural design*
  
- 2012-2015 Researcher at Ships and offshores structural mechanics Lab., Department of Naval Architecture & Ocean Engineering, Pusan National University, Busan, *South Korea*
  
- 2015-present Senior Lecturer at Department of Naval Architecture & Ocean Engineering, College of Maritime Transport & Technology, Arab Academy of Science, Technology & Maritime Transport, Alexandria, *Egypt*

**Peer-reviewed Publications**

1. A. H., Hegazy, S.F., Badran and **S.A.M. Youssef**, 2011, "Structural Safety of Ships –New Concept", Proceedings of the International Maritime Transport and Logistics Conference, Alexandria, Egypt.
2. A. H., Hegazy, S.F., Badran and **S.A.M. Youssef**, 2012, "Structural design of double hull oil tankers for collision", Port Said Engineering Research Journal, Suez Canal University, Vol. 16, No. 2, pp. 61-67.
3. A. H., Hegazy, S.F., Badran and **S.A.M. Youssef**, 2012, "Safe Struck Ship (3S):Software Package for Structural analysis of collision between ships", Port Said Engineering Research Journal, Suez Canal University, Vol. 16, No. 2, pp. 68-79.
4. **S.A.M. Youssef**, Y.S. Kim, and J. K. Paik, M.S. Kim and F. Cheng, "Probabilistic Selection for Ship-ship Collision Scenarios ", Proceedings of the International Conference on Ocean, Offshore and Arctic Engineering (OMAE), Nantes, France, 9-14 June 2013.
5. S.T. Ince, **S.A.M. Youssef**, Y.S. Kim, J.K. Seo, B. J. Kim and J.K. Paik, "Structural Response Characteristics of Ships Involved in Collision Accident", Proceedings of the International Conference on Computer Applications in Shipbuilding (ICCAS), Busan, Korea, 24-26 September 2013.
6. **S.A.M. Youssef**, Y.S. Kim, and J.K. Paik, M.S. Kim and F. Cheng, "Hazard Identification and Probabilistic Scenario Selection for Ship-ship Collision Accidents", International Journal of Maritime Engineering, Vol. 156, PartA1, pp. 61-80, 2014.
7. **S.A.M. Youssef**, S.T. Ince, Y.S. Kim, and J.K. Paik, M.S. Kim and F. Cheng, "Quantitative Risk Assessment for Collisions Involving Double Hull Oil Tankers", International Journal of Maritime Engineering, Vol. 156, PartA2, pp. 157-174, 2014.
8. D.K. Kim, M.S. Liew, **S.A.M. Youssef**, M. Hairil, H.B. Kim, J.K. Paik, "Time-dependent Corrosion Wastage Effect on the Ultimate Strength Performance of FPSOs ", Arabian Journal for Science and Engineering, Vol. 39, Issue 11, pp 7673-7690, 2014
9. **S.A.M. Youssef**, S. T. Ince, Y.S. Kim, M. Faisal and J.K. Paik, "Structural Consequence Analysis of Aged Double Hull Oil Tankers Involved in Ship-ship Collision", Proceedings of the 7<sup>th</sup> International Conference on Thin-Walled Structures (ICTWS), Busan, Korea, 28 September-2 October, 2014.
10. **S.A.M. Youssef**, S. T. Ince, Y.S. Kim, and J.K. Paik, "Potential Loss of Property Evaluation for Suezmax-class Double-hull Oil Tanker Involved in Ship-ship Collisions", Proceedings of the 7<sup>th</sup> International Conference on Thin-Walled Structures (ICTWS), Busan, Korea, 28 September-2 October, 2014.
11. Y.S. Kim, **S.A.M. Youssef**, S. T. Ince, and J.K. Paik, "Environmental Consequences Associated with Collisions Involving Double Hull Oil Tankers", Proceedings of the 7<sup>th</sup> International Conference on Thin-Walled Structures (ICTWS), Busan, Korea, 28 September-2 October, 2014.
12. S.T. Ince, **S.A.M. Youssef**, Y.S. Kim and J.K. Paik, "A Comparative Study for Tanker Collision in Terms of Some Optimization Techniques", Proceedings of the 7<sup>th</sup> International Conference on Thin-Walled Structures (ICTWS), Busan, Korea, 28 September-2 October, 2014.
13. **S.A.M. Youssef**, Muhammad Faisal, Jung Kwan Seo, Bong Ju Kim, Yeon Chul Ha, Do Kyun Kim, Jeo Kee Paik, Fai Cheng and Min Soo Kim, "Assessing the Risk of Ship Hull

Collapse due to Collision” , Ships and Offshore Structures, DOI:  
10.1080/17445302.2014.993110, 2015.

### **Book Chapters**

1. Co-author in a Technical Book titled "shipyard and repair technology" (under publication).

### **Professional Membership**

- Society of Naval Architects and Marine Engineers (SNAME)