



الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري

Arab Academy for Science, Technology & Maritime Transport

Dr. Basel Mohamed El-Khoudry Seoudi



Personal Data

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Education

PhD. in Marine Engineering:

- Institute : Pusan National University, Pusan, South Korea.
- Department : Naval Architecture and Ocean Engineering.
- Research Center : Advanced Ship Engineering Research Center.
- Thesis Title : Marine Drag Reduction by Using Improved Method for Optimizing Viscoelastic Properties of Compliant Coating.
- Cumulative Grade : Excellent (GPA = 4.29/4.5).
- Graduation Date : August 2008.

M. Sc. in Marine Engineering:

- Institute : Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt.
- College : Engineering and Technology.
(Experiments were performed in Marine Technical College, Kobe, Japan, 11 July -13 December, 2002).



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- Department : Mechanical and Marine Engineering.
- Thesis Title : Investigation of NO_x and CO₂ Emissions from Marine Prime Movers.
- Cumulative Grade : Excellent (GPA = 3.79/4).
- Graduation Date : September 2003.

B. Sc. In Marine Engineering:

- Institute : Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt.
- College : Engineering and Technology.
- Department : Mechanical and Marine Engineering.
- Cumulative Grade : Excellent with honor (GPA = 3.85/4).
- Graduation Date : September 1995.

Maritime Qualifications

- **2nd Marine Engineer Certificate:** Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt, (2000).
- **3rd Marine Engineer Certificate:** Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt, (1995).

Experience

Teaching Experience

- Teaching the following courses: Marine Engineering, Marine Diesel Engines, Naval Architecture and Ship Construction, Hydraulics, Engineering Mechanics (Statics and Dynamics), Technology of Material.
- Teaching in Marine Engineering Technology Department, Arab Academy for Science and Technology and Maritime Transport, Egypt (July 1999 – Now).
- Teaching at the Public Authority for Applied Education & Training (Faculty of Technical Studies), Kuwait (Nov. 1998 – July 1999).



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Marine experience

- Worked as Marine Engineer onboard Oil Tankers and Liquefied Gas Ships, Kuwait Oil Tanker Company, Kuwait (Jan. 1996 – May 1998).
- Member of Marine Engineering Association (Egypt)
- QA Coordinator (MET Department) (2019 – 2023 Sharjah branch)

Responsibilities

- Examinations Committee Coordinator (MET Department)
- Teaching staff member at the CMTT, Marine Engineering Technology Department.
- Academic advisor
- Coordinator for Naval Architecture and Ship Construction Courses, in this position; he is assuring that all technical and administrative aspects are performed in a fully professional, transparent and ethical manner, and in line with the AASTMT regulations.

Achievements

Researches and Scientific Studies

- Publications Andrey V. Boiko - Victor M. Kulik - Basel M. Seoudi - H.H. Chun - Inwon Lee, Measurement Method Of Complex Viscoelastic Material Properties, International Journal of Solids and Structures - Vol. 47 - Issue 3-4 - 2010 - pp. 374-382, February 2010.
- Basel M. Seoudi , Victor M. Kulik , Andrey V. Boiko , H.H. Chun , Inwon Lee, 2009, New approach to the computation of the form factor of viscoelastic cylinders, Mechanics of Materials, Volume 41, issue 5, May 2009, pp. 495–505.
- V.M. Kulik & B.N. Semenov & A.V. Boiko & B.M. Seoudi & H.H. Chun & I. Lee, Measurement of Dynamic Properties of Viscoelastic Materials, Experimental Mechanics, Volume 49, issue 6, 2009, pp. 417–425.



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- B. Seoudi, V. M. Kulik, A. V. Boiko, and I. Lee, Measurements of drag-reducing efficiency of compliant coating in a wind tunnel, The 4th Asia-Pacific Workshop on Marine Hydrodynamics (A P Hydro- 2008).
- A. V. Boiko, V. M. Kulik, B. Seoudi, H.H. Chun, I. Lee. Measurement of dynamic Poisson's ratio and the form factor for a cylindrical sample. Advanced in Heterogeneous material Mechanics (ICHMM-2008), Chapter 22, PP 1411-1415, 2008.
- Seoudi, B., Kulik V. M., Boiko, A. V., Chun, H. H. and lee, I., 2008, Numerical estimation of dynamic behaviour of viscoelastic elastomer specimen, Journal of Mechanical Science and Technology, Vol. 22, no. 6, pp. 1140-1148, ISSN : 1738-494X, (2008.6.1).
- Basel M. Seoudi, Andrey V. Boiko, Ho Hwan Chun and Inwon Lee, 2008, Measurement Method of Broadband Dynamic Characteristics of Viscoelastic Material for Compliant Coating, Journal of the Society of Naval Architects of Korea, Vol. 45, No. 1, pp. 73-80, February 2008.
- A. V. Boiko, V. M. Kulik, B. M. Seoudi, H. H. Chun and I. Lee, 2008, Measurement of Dynamic Properties of Viscoelastic Materials, Advances in Heterogeneous Material Mechanics, 2nd International Conference on Heterogeneous Material Mechanics, Chapter 22, pp.1411 June 2008.
- Kim. K. C. Min. Y. U. Oh, S. J., An, N. H., Seoudi, B., Chun, H. H. and Lee, I., 2007, Time-resolved PIV Investigation on the Unsteadiness of a Low Reynolds Number Confined Impinging Jet, Journal of Visualization, Vol. no. 4, pp.367-379, ISSN : 1343-8875, (October 2007)
- B. M. Seoudi, M. E. Eweda, S. A. Eweda, 2004, NOx Reduction Using the Emulsified Fuel Technique, Port Said Engineering Research Journal, Vol. 8, No. 2, ISSN 1110 – 6603.

Relevant Courses

- Naval Architecture and Ship Construction, Ship design, Ship Repair, Marine Engineering, Marine Diesel Engines, Hydraulics, Engineering Mechanics (Statics and Dynamics), Technology of Material, Mechanical Engineering Drawing.



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Acquired Courses

- Group of Training Courses in Marine Technique for Engineering, Marine Technical College, by Japan International Cooperation Agency (JICA), Kobe, Japan, 11 July – 13 Dec, 2002, includes series of Lectures given by Lloyd's Register of Shipping on:
 - Electrical and Control Engineering of Merchant Ships.
 - Marpol Annex VI – Diesel Engine Exhaust Gas Emission (NO_x).
 - Survey and Repair of Marine Boilers.
 Marine Technical College, Kobe, Japan, 04- 05 Dec, 2002.
 - International Safety Management Code (ISM) and Port State Control (PSC), Marine Technical College, Kobe, Japan, 02- 03 Dec., 2002
- Writing Research Papers, Arab Academy for Science and Technology and Maritime Transport, Egypt, 15 – 16 July 2019.
- Instructor Operational Training – TechSim5000 – Transas Marine International, Alexandria, Egypt, 07- 11 Sept, 2014.
- Training Course for the Simulator Trainer and Assessor. Alexandria, Egypt, 15-19 June, 2014.
- Organizing Scientific Conferences, Alexandria, Egypt, 25-26 March, 2013.
- Examination and Student Assessment Systems, Alexandria, Egypt, 23-24 December 2013.
- Effective presentation skills, Arab Academy for Science and Technology and Maritime Transport, Egypt, 20 – 21 November 2022.
- Critical thinking in education, Arab Academy for Science and Technology and Maritime Transport, Egypt, 23 – 24 October 2022.
- Advanced Assessment of students learning, Al Ain University, United Arab of Emirates, 11 – 20 January 2023.
- Career Development, Arab Academy for Science and Technology and Maritime Transport, Egypt, 19 – 20 March 2023.

Languages

Arabic (Mother Tongue), English (Very good), Korean (Fair), Japanese (Fair).



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