Personal Information

Noor Hussein Dhahir AL-Fatlawi
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Date of Birth: 25 January 1987
Cell Phone: +964 7832538255
City of Birth: Mishikhab – Manathera - Najaf - Iraq **City of Residence:** Najaf -Iraq
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Home Address: Al-Mishikhab – Najaf
University Address: University of Babylon, Hilla- Iraq.
University of Kufa, Kufa, P. O. Box(21), Najaf Governorate, Iraq.

Education

MS.c in Mechanical Engineering (Power), University of Babylon (2008-2011) GPA: 73.167/100.
Thesis: Drag Reduction In Turbulent Flow using Longitudinal and Sinusoidal Riblets Grade: 80/100.
Supervisors: Prof. Imad S. Ali
BS.c in Mechanical Engineering, University of Kufa (2005-2008) GPA: 76.67 / 100 (First Rank Among 52 Students).

Publications

Journals

- Hayder H. Khaleel, Assaad Al Sahlani, Noor H. Dhaher and Nawfel M. Baqer, " Modeling and Analysis of Leaf Spring using Finite Elements Method" International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 6, June 2018, pp. 48–56.
- Nawfel M. Baqer, Hayder H. Khaleel & Noor H. Dhaher, "Numerical Study and Analysis of Gas Turbine Blades" International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 9, Issue 3, Jun 2019, 959-966.
- Noor H. Dhaher, Furkan Kamil, Hayder H. Khaleel, " The Enhancement of Natural convection Heat Transfer in Cylindrical Composite laminate Enclosure with porous media by Using Carbon Nanotubes" Journal of Mechanical Engineering research and development. (acceptable)

Conferences

- Imad S. Ali and Noor H. Al-Fatlawie, " Drag Reduction In Turbulent Flow using Different Kinds of Riblets " International Conference on Sunrise Technologies 13th – 15th Jan 2011.
- Nawfel Muhammed Baqer Mohsin, Hayder H. Khaleel, Noor H. Dhaher, Dr. NaghamMahmood Aljamali, "Preparation of Chemical Inhibitors to Treat the Corrosion and Erosion of Machines " International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM), Volume 54 Issue 3 June 2019.
- Noor H. Dhaher, M K Khashan, and A S Sawdi, " One Dimensional Steady State Heat Transfer on a Star Fin Shape" 3rd International Conference on Engineering Sciences. (acceptable)

Papers In Progress

- Furkan Kamil, Ali H. Mutaib , Noor H. Dhaher, " Utilization of Finite Element Method for Simulation of Laser Cutting Process". (Submitted to Journal of Engineering Science and Technology (JESTEC))
- Drag Reduction in Turbulent Flow using Sinusoidal Riblets on Airfoils: Experiment
- Natural convection Heat Transfer in Cylindrical Enclosure with porous media by Using Nanofluid.

Authorized Books

- Noor Hussein, " Materials Science and Engineering", International Energy and Environment Foundation, www.IEEFoundation.org, ISBN-13: 978-1544083803, 2017.

Research Interests

Drag reduction, Heat transfer, Nanofluid, Riblets, Fluid flow, Composite materials, Leaf spring, Gas turbine blade.

Academic Experience and certification

- 2017 – present, Assistant lecturer, Department of Aeronautical Engineering – Technical College- Najaf.
- 2017 – present, Faculty member in Department of Aeronautical Engineering -Technical College- Najaf.
- 2017 – present, Member in website committee of Engineering- Technical College - Najaf.
- 2011-2017, Assistant lecturer in Department of Refrigeration and Air conditioning Techniques Engineering at University Islamic Collage AL-Najaf-Ashraff.
- Participating in several scientific and academic training and workshops at Al Furat Al Awsat Technical University namely; Composite Materials, concepts of inventing, writing of academic articles, Web Design (Wordpress), E-Learning (Moodle), Entrepreneurship, Engineering programming software's packages.

Certificates:

1- Certificate of Modern teaching techniques & methods from University of Kufa.
2- Certificate of excellent teaching skills from University of Kufa.
3- Certificate of Computer and Internet skills from University of Babylon.

- Member of the examinations committee, Engineering Technical College- Najaf.
- 2014 - Current, member in the Iraqi Engineers Union.

Teaching Experience

- 2016 Instructor in charge in Department of Aeronautical/ Engineering- Technical College-Najaf.
- The teaching experience includes Engineering courses such as: Fluid Mechanics, Dynamics, Mechanical drawing, Aircraft stability and control, Engineering & numerical analysis, Engineering Statics, Theory of machines, Engineering materials, Industrial Engineering.
- Supervisor for several students' BS.Graduation projects.

Appreciation Letters

- Appreciation letter from the **Minister of Higher Education and Scientific Research** for being the highest grades rated student among my colleagues in the Mechanical Engineering Department – University of Kufa, and a financial reward of 1000000 IQ in 2008.

- Appreciation letter from Najaf City Governor for participating in Al Furat Al Awsat Technical University Day Exhibitions and Conferences for the academic year 2018-2019.

-Granted many appreciation letters for outstanding academic and administration performance at the Engineering Technical College- Najaf.

Language Skills

Arabic: Native Language
English: good

References

- Prof. Imad S. Ali, Gannon University, USA, E-mail: Emad.ali6@gmail.com.
- Assist. Prof. Ali s.yasir AL-Ithary, Dean of Engineering Faculty, University of Kufa , E-mail: alis.alathari@uokufa.edu.iq.
- Assist. Prof. Assaad Awad Abbass Al-Sahlani, Head of Aeronautical Engineering Department, Al Furat Al Awsat Technical University, E-mail: alsahlan@msu.edu.
- Assist. Prof. Dhafer Manea H. Al-Shamkhee, Head of Mechanical Engineering Department, Al Furat Al Awsat Technical University, E-mail: coj.dfr@atu.edu.iq.