

CURRICULUM VITAE

Personal Particulars

Name: **Mohammed Najeh Nemah**

Gender: Male

Place of birth, Date: Iraq\ Babylon, March 15, 1985

Current designation: Lecturer and Researcher

Department: Faculty of Engineering Technical -Najaf \ Avionics Engineering Department

Organization: Al-Furat Al-Awsat Technical University (ATU)

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Nationality: Iraqi



Academic Qualifications

Academic qualifications:

Nov. 11, 2019, Degree conferred on **Doctor of Philosophy in Mechanical Engineering (Applied Mechanic\ Control, Mechatronics, and Prostheses)**, Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia.

May 27, 2010, Degree conferred on **Master of Mechanical Engineering (Applied Mechanic)**, Engineering College, Babylon University, Iraq.

July 20, 2002, Degree conferred on **Bachelor of Engineering (Mechanical)** with Honors, Engineering College, Babylon University, Iraq.

Experiences

Area of expertise:

Nov 2019 – Present, **Lecturer, Avionics Engineering Department, Engineering Technical College-Najaf, Al-Furat Al-Awsat Technical University, Iraq.**

Sep 2017 – Nov 2019, **Researcher Assistance, Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia.**

Aug 2016 – Sep 2017, **Lecturer, Automobile Engineering Department, Engineering Technical College-Najaf, Al-Furat Al-Awsat Technical University, Iraq.**

Nov 2011 – Aug 2016, **Assistance Lecturer, Automobile Engineering Department, Engineering Technical College-Najaf, Al-Furat Al-Awsat Technical University, Iraq.**

Feb 2009 – Oct 2011, **Engineering, Omnea telecommunication company, ministry of communications, Iraq.**

Nov 2007 – Feb 2009, **Engineering, EarthLink telecommunication company, ministry of communications, Iraq.**

April 2007 – Oct 2011, **Assistance Engineering, Oil product distribution company of Babylon, Ministry of Oil, Iraq.**

Areas of Research Interest

1. Smart health.
2. Mechatronics.
3. Bio-medical.
4. Rehabilitation robotics.
5. Smart actuators and sensors.

Publications

[1] Nemah, M.N., et al., *Low complexity DCO-FBMC visible light communication system*. International Journal of Electrical and Computer Engineering (IJECE), 2020. **10**(1).

[2] Nemah, M.N., et al., *A Review of Non-Invasive Haptic Feedback stimulation Techniques for Upper Extremity Prostheses*. International Journal of Integrated Engineering, 2019. **11**(1).

- [3] Nemah, M.N., et al., *PERFORMANCE EVALUATION OF SAVONIUS WIND TURBINE BASED ON A NEW DESIGN OF BLADE SHAPE*. International Journal of Mechanical Engineering and Technology (IJMET), 2019. **10**(1).
- [4] Nemah, M.N., et al., *Experimental and simulation investigation for performance of a small-scale model of bare and shrouded HAWT*. International Journal of Mechanical Engineering and Technology (IJMET), 2019. **10**(1).
- [5] Nemah, M.N., et al., *Development and evaluation of a spot sensor glove for the tactile prosthetic hand*. International Journal of Engineering and Technology (UAE), 2018. **7**(4).
- [6] Nemah, M.N., *Modelling and Development of Linear and Nonlinear Intelligent Controllers for Anti-lock Braking Systems (ABS)*. Journal of University of Babylon, 2018. **26**(3).
- [7] Nemah, M.N., et al., *Modeling and control of quadrotor systems*. in *2015 3rd RSI International Conference on Robotics and Mechatronics (ICROM)*. 2015. IEEE.
- [8] Nemah, M.N., et al., *Control of a two-link (rigid-flexible) manipulator*. in *2015 3rd RSI International Conference on Robotics and Mechatronics (ICROM)*. 2015. IEEE.
- [9] Nemah, M.N., et al., *CONTROL OF FLEXIBLE ROBOT USING VISION SENSOR MEASUREMENTS*. Al-Qadisiya Journal for Engineering Sciences, 2015. **8**(3).
- [10] Nemah, M.N., et al., *EXPERIMENTAL AN INVESTIGATION FOR PE SMALL-SCALE SHROUDED*. International Journal of Mechanical Engineering and Technology (IJMET), IAEME Publication, 2019. **10**(1).
- [11] Nemah, M.N., et al., *A Wearable Hybrid Haptic Feedback Stimulation Device for Upper Limb Prostheses*. International Journal of Mechanical and Mechatronics Engineering (IJMME), 2019. **19**(5).
- [12] Nemah, M.N., et al., *An Extended Systematic Literature Review on the Non-Invasive Haptic Feedback Prostheses in Upper Extremity*. International Journal of Mechanical and Mechatronics Engineering (IJMME), 2019. **19**(5).
- [13] Nemah, M.N., et al, *Modelling of a Hybrid Power-Temperature Control System for Gas Turbine Unit*. International Journal of Mechanical and Mechatronics Engineering (IJMME), 2019. **19**(6).
- [14] Nemah, M.N., et al., *A hybrid haptic feedback stimulation device to recover the missing sensation of the upper limb amputees*. International Conference on Advances in Mechanical Engineering 2019 (ICAME 2019), Sabah, Malaysia, 14-16 August 2019.
- [15] Nemah, M.N., et al., *Comparison of Power Production and Performance of Wind Turbine and Solar*. International Journal of Integrated Engineering, 2019. **11**(1).
- [16] Nemah, M.N., et al., *Mode I SIFs for internal and external surface semi-elliptical crack located on a thin cylinder*. TEST Engineering & Management magazine, 2019. **81**(1).
- [17] Nemah, M.N., et al., *Inverse Kinematics in 3D Workspace using ANFIS*. The second scientific conference of engineering and agricultural specialties - Al-Musayyib College of Technology, 2015.

[18] Nemah, M.N., et al., *Mechanisms and Treatment of Femoropoplitealin-Stent Restenosis*. TEST Engineering & Management magazine, 2019. **81**(1).

[19] Nemah, M.N., et al., *A Hybrid Haptic Feedback Stimulation Prosthetic Device to Recover the Missing Sensation of Upper Extremity Amputees*. TEST Engineering & Management magazine, 2019. **81**(1).

[20] Nemah, M.N., et al., *A vibrotactile prosthetic device for detection of contact pressure and surface texture in upper extremity*. *International Journal of Advanced Robotic Systems*, 2019, *In press*.

Supervision

1. Supervisor for Saif Salih Khaleel, Master MixMode, Design and Simulation of Wearable Flexible Sensor for a Virtual Prosthetic Arm System, University Tun Hussein Onn Malaysia, Malaysia, 2018 (Completed).

2. Supervisor for Omer Hammad Hussain, Master MixMode, Design and Evaluation of a Hybrid Haptic feedback Stimulation System for Upper limb Prostheses, University Tun Hussein Onn Malaysia, Malaysia, 2019 (Completed)

3. Supervisor for Muayad Mohsin Maseer, Master MixMode, Modelling Of A Hybrid Power-Temperature Control System For Gas Turbine Unit, University Tun Hussein Onn Malaysia, Malaysia, 2019 (Completed)

4. Supervisor for Abdullah Ibrahim Abdullah, Master Full Research, A Hybrid Haptic Stimulation Prosthetic Wearable Device To Recover The Missing Sensation Of The Upper Limb Amputees, University Tun Hussein Onn Malaysia, Malaysia, 2020.

5. Supervisor for Hisham Falah , Master Course Work, Simulation And Animation Of A Rigid Robotic Arm Mounted On Wheelchair, Imam Reza International University, Republic Islamic of Iran, 2020.