


1. Name of Staff	
Name	Assist. Prof. Turki Alsuwian Electrical Engineering Department College of Engineering 11001 Najran, Saudi Arabia, DOB: 20 / 2 / 1981 tmalsuwian@nu.edu.sa



2. Education				
No.	Degree	Discipline	Institution	Year
1.	Ph.D.	Electrical Engineering	University of Dayton, Ohio, USA	2018
2.	M.Sc.	Electrical Engineering	Gannon University, USA	2011
3.	B.Sc.	Electrical Engineering	King Saud University, Riyadh, Saudi Arabia	2004

3. Academic Experience					
No.	Institution	Rank	Title	Year	Full/Part time
1.	Najran University	Assist. Prof.	Assistant Professor	2019-till now	Full time
2.	Najran University	Lecturer	Lecturer	2014-2019	Full time

4. Non-academic Experience				
No.	Company or entity	Title	Brief description of position	Full/Part time
1.	Saudi Electricity Company (SEC) in Central Region, Riyadh, Saudi Arabia	Power System Engineer Distribution Network	Distribution Network of Power system Load Forecasting	2004 - 2009
2.	Ministry of Education, Riyadh, Saudi Arabia	Electrical Engineer, in the Projects Management	Design the power system network for big Buildings- Load over 4 MVA	2004

5. Certifications or Professional Registrations			
No.	Certifications	Detail	Date/Year
1.	Philosophy in Engineering, Ph.D, Major : Electrical Engineering	Doctoral Degree from the Department of Electrical and Computer Engineering, University of Dayton, Ohio, USA	December 15 th , 2018
2.	Dissertation of Ph.D	<i>Dissertation of Ph.D., Comparative Analysis of Flight Control Designs for Hypersonic Vehicles at Subsonic Speeds.</i>	December, 2018
3.	Master of Science Degree MSc	Master of Science MSc in the Electrical Engineering Department, Gannon University, Pennsylvania State, USA	May, 2011

4	B.Sc.	Bachelor of Science in Electrical Engineering, King Saud University, Riyadh, Saudi Arabia	Feb, 2004
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6. Current Membership in Professional Organizations

No.	Organizations	Detail	
1.	IEEE	Member	
2.	AIAA	Member	

7. Honors and Awards

No.	Detail
1.	Doctoral Degree from the Department of Electrical and Computer Engineering, University of Dayton, Ohio, USA
2.	Master of Science MSc in the Electrical Engineering Department, Gannon University, Pennsylvania State, USA

8. Service Activities (within and outside of the institution)

No.	Detail
1.	Vice Dean for Students Affairs in Engineering College

9. Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation

1.	Almasabi, S.; Alsuwian, T. ; Javed, E.; Irfan, M.; Jalalah, M.; Aljafari, B.; Harraz, F.A. A Novel Technique to Detect False Data Injection Attacks on Phasor Measurement Units. <i>Sensors</i> 2021 , <i>21</i> , 5791.,doi.org/10.3390/s21175791
2.	Alsuwian, Turki , Kousar, Farhana, Rasheed, Umbreen, Imran, Muhammad, Hussain, Fayyaz, Khalil, R.M. ,Algadi, Hassan, Batool, Najaf, Khera, Ejaz, Kiran, Saira, Ashiq, Muhammad.(2021). First principles investigation of physically conductive bridge filament formation of aluminum doped perovskite materials for neuromorphic memristive applications. <i>Chaos, Solitons & Fractals</i> . 150. 111111. 10.1016/j.chaos.2021.111111.
3.	Rasheed, Umbreen, Alsuwian, Turki , Imran, Muhammad, Algadi, Hassan, Khera, Ejaz, Khalil, R.,Mahata, C.,Hussain, Fayyaz. (2021). Density functional theory insight into metal ions and vacancies for improved performance in storage devices. <i>International Journal of Energy Research</i> . 45. 10.1002/er.6572.
4.	Algadi, H.; Umar, A.; Albargi, H.; Alsuwian, T. ; Baskoutas, S. Carbon Nanodots as a Potential Transport Layer for Boosting Performance of All-Inorganic Perovskite Nanocrystals-Based Photodetector. <i>Crystals</i> 2021 , <i>11</i> , 717. https://doi.org/10.3390/cryst11060717
5.	Umar, Ahmad, Ibrahim, Ahmed, Algadi, Hassan, Nakate, Umesh, Pchoudhury, Sandip, Alsuwian, Turki , Albargi, Hasan, Alsaiani, Mabkhoot, Baskoutas, Sotirios. (2021). Selective ethanol gas sensing performance of flower-shaped CuO composed of thin nanoplates. <i>Journal of Materials Science: Materials in Electronics</i> . 32. 10.1007/s10854-021-06249-y.
6.	Algadi, Hassan, Mahata, C., Alsuwian, Turki , Ismail, Muhammad, Kwon, Daewoong, Kim, Sungjun. (2021). Gradual resistive switching and synaptic properties of ITO/HfAlO/ITO device embedded with Pt nanoparticles. <i>Materials Letters</i> . 298. 130011. 10.1016/j.matlet.2021.130011.
7.	Umar, A.; Algadi, H.; Kumar, R.; Akhtar, M.S.; Ibrahim, A.A.; Albargi, H.; Alhamami, M.A.M.; Alsuwian, T. ; Zeng, W. Ultrathin Leaf-Shaped CuO Nanosheets Based Sensor Device for Enhanced Hydrogen Sulfide Gas Sensing Application. <i>Chemosensors</i> 2021 , <i>9</i> , 221. https://doi.org/10.3390/chemosensors9080221
8.	Akond, M., and Alsuwian, T. , “Assessment of Dispersive Materials Using Recursive Implicit Time Domain Techniques,” 2020 IEEE 8 th International Conference on Photonics (ICP), doi:10.1109/ICP46580.2020.9206425.
9.	Alsuwian, T. , Ordonez, R., and Jacobsen, L., “Comparison of PID and Nonlinear Feedback Linearization Controls for Longitudinal Dynamics of Hypersonic Vehicle at Subsonic Speeds,” 2016 IEEE National Aerospace and Electronic conference, pp. 207-213, 2016. doi:10.1109/NAECON.2016.7856800

10	Alsuwian, T. , Ordonez, R., and Jacobsen, L., “Adaptive Control for Longitudinal Dynamics of Hypersonic Vehicle at Subsonic Speeds,” AIAA Modeling and Simulation Technologies Conference, AIAA AVIATION Forum, AIAA 2017-4009, 2017. doi:10.2514/6.2017-4009
11	Alsuwian, T. , Ordonez, R., and Jacobsen, L., “Nonlinear Adaptive Control for Lateral Dynamics With Fixed Roll Angle of Hypersonic Vehicles at Subsonic Speeds,” 2017 IEEE National Aerospace and Electronic conference, pp. 127-134, 2017. doi:10.1109/NAECON.2017.8268757

10. Briefly list the most recent professional development activities	
No.	Detail
1.	