

نايف بن فايز البقمي

أستاذ مساعد
قسم الهندسة الكهربائية
كلية الهندسة، جامعة المجمعة
المجمعة، المملكة العربية السعودية
بريد إلكتروني:
n.albagami@mu.edu.sa
الجوال: 0566989894



Naif Albagami, PhD

Assistant Professor
Electrical Engineering Department
Mjamaah University
Majmaah, Saudi Arabia
n.albagami@mu.edu.sa
Tel: +966566989894

EDUCATION

The University of Edinburgh
Ph.D. – Power and Energy Systems
2015-2019
New Jersey Institute of Technology
M.S. – Power and Energy Systems
2011-2012
Virginia Commonwealth University
B.S. - Electrical Engineering
Minor in Math
2006-2011

CMPTENCIES

- Programming Applications: Python, C++, Visual Basic, Matlab, AIMMS, and Assembly
- Engineering Software: Pspice, Accusim, Nexxim, AVR, Ansoft, ATPdrew, and PSS\E
- Professional writer in English & Arabic languages
- Public Speaking (*very* translatable to acting)
- Office and Adobe Skills
- Distinction in M.S. and High GPA ≈ 3.8 out of 4.00
- Intensive Professional Development Course in Entrepreneurship, Innovation and Social Change from the University for Peace, Center for Executive Education, United Nations

- Course in Academic Marketing and University Reputation Management, Egypt 2025

WORK EXPERIENCE

- Participated in team to host Institute of Electrical and Electronic Engineering (IEEE) SoutheastCon 2007 Robot competition
- Intern at Kingdom of Saudi Arabia Embassy as a technical support in the department of Information and Technology Summer 2010 (May -Aug)
- Participated to Saudi Leaders Conference in Tampa (Feb/2011)
- Lecturer, Electrical Engineering Department, Majmaah University (2013-2019)
- Assistant Professor, Electrical Engineering Department, Majmaah University (2020- Present)
- Leading the Community Service Unit within the College of Engineering, Majmaah University (12/2019- 08/2020)
- Head of Electrical Engineering Department, College of Engineering, Majmaah University (16/08/2020-Present)
- Head of Electrical Engineering Advisory board, College of Engineering Majmaah University (2020 – Present)
- Member of Engineering College Council, Majmaah University (2020 – Present)
- Head of EE NCAAA Execution Task Force, Majmaah University (2020 –Present)
- Head of M.S in Renewable Engineering Program Creation Task Force, Majmaah University (2020 – Present)
- Head of Committee working with Saudi Space Commission, Majmaah University (2020 – Present)
- Head of Technical Diploma in Electronics and Communication Program Creation, Majmaah University (2021 – Present)
- Head of Technical Diploma in Energy Engineering Program Creation, Majmaah University (2021 – Present)
- Head of Committee working with Saudi Semiconductors Program (SSP) under KACST, Majmaah University (May/2022 – Present)
- Founder and Chair of registered non-profit organization Green Turabah (2020 – Present)
- Board member of Muneef Club, affiliated with the Ministry of Sports (2023-Present)

AWARDS

- Best program code for the Robot passing a Maze with distance sensor (microcomputer class EGRE 364)
- Dean's Lists over several years of the scholarship
- Majmmah University Award for Outstanding Scholarship Student

RESERCH INERESTS

Power and energy systems, especially in smart grid and energy efficiency, renewable resource assessment and grid integration of renewable energy. Electronics and Communications.

PUBLICATIONS

Almutairi, Abdulaziz, Ahmed G. Abo-Khalil, Khairy Sayed, and **Naif Albagami**. "MPPT for a PV grid-connected system to improve efficiency under partial shading conditions." *Sustainability* 12, no. 24 (2020): 10310.

Almutairi, A., Alrumayh, O., Alyami, S., **Albagami, N.** and Hossein, M., A blockchain-enabled secured fault allocation in smart grids based on μ PMUs and UT. **2021**, *IET Renewable Power Generation*.

Almutairi, A, Khairy S, **Naif Albagami**, G. Abo-Khalil, and H, Saleeb. "Multi-Port PWM DC-DC Power Converter for Renewable Energy Applications." *Energies* 14, no. 12 (2021): 3490.

Sayed K, Almutairi A, **Albagami N**, Alrumayh O, Abo-Khalil AG, Saleeb H. A Review of DC-AC Converters for Electric Vehicle Applications. *Energies*. **2022** Feb 8;15(3):1241.

Almutairi, A., Albagami, N., Almesned, S., Alrumayh, O., & Malik, H. (2023). A novel optimal framework for scheduling rooftop solar home appliances considering electricity, real pricing and user comfort. *Solar Energy*, 262, 111876.

<https://www.sciencedirect.com/science/article/pii/S0038092X23005091>

Almutairi, A., Albagami, N., Almesned, S., Alrumayh, O., & Malik, H. (2023). Electric Vehicle Load Estimation at Home and Workplace in Saudi Arabia for Grid Planners and Policy Makers. *Sustainability*, 15(22), 15878.

<https://www.mdpi.com/2071-1050/15/22/15878>

Almutairi, A., Albagami, N., Almesned, S., Alrumayh, O., & Malik, H. Optimal Management of Electric Vehicle Charging Loads for Enhanced Sustainability in Shared Residential Buildings. *Frontiers in Energy Research*, 12, 1396899.

<https://www.frontiersin.org/articles/10.3389/fenrg.2024.1396899/full>