

Mahmoud Nouh Zaggout

Contact Information

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Research Interests

- Condition Monitoring Systems.
- Renewable Energy.
- System Identification and Validation.
- Modeling and Control Systems.

Education

Ph.D. 2013 School of Engineering and Computing Sciences, Durham University, UK. Research Topic: Wind Turbine Generator Condition Monitoring via the Generator Control Loop. Advisor: Prof. Peter Tavner.

M.Sc. 2008 Department of Electrical and Electronic Engineering, Tripoli University, Libya. Thesis Topic: Identification of linear dynamic systems using Experimental Data. Advisor: Abdulaziz Esherif.

B.Sc. 2000 Department of Electrical and Electronic Engineering, Tripoli University, Libya. Project Topic: Regulated DC Power Supply. Advisor: Mousa Edwaib.

Work Experience

2019-2020 **Head** of the Electrical and Electronic Engineering Department, Misurata University, Libya.

2019-2020 **Adjunct Assistant Professor** at the Academy of Aero Defense, Misurata, Libya.

2018-present **Adjunct Assistant Professor** at the Libyan Academy, Misurata, Libya.

2017-present **Adjunct Assistant Professor** at the Libyan University for Sciences and Technology, Misurata, Libya.

2017-2018 Works (Part-time) at the Maintenance Planning Division, Al Naseem for Food Industries, Misurata, Libya.

2017-present **Assistant Professor** at the Department of Electrical Engineering, Misurata University, Libya.

2016-2017 **General Manager** of the Libyan Center for Accreditation, Tripoli, Libya.

2015-2017 **Head** of the Civil Engineering Department, Misurata University, Libya.

2015-2017 **Adjunct Lecturer** at the Libyan University for Sciences and Technology, Misurata, Libya.

2014-2017	Adjunct Lecturer at the College of Medical Technology Misurata, Libya.
2014-2016	Adjunct Lecturer at the College of Technical Sciences, Misurata, Libya.
2014-2016	Lecturer at the Department of Electrical Engineering, Misurata University, Libya.
2012-2013	Teacher (Part-time) at the Libyan School, Newcastle, UK.
2010-2013	Demonstrator and Invigilator (Part-time) at the School of Engineering and computing Sciences, Durham University, UK.
2010-2013	Researcher at SUPERGEN Wind, Durham University, UK.
2002-2008	Teaching assistant at the Department of Electrical Engineering, Misurata University, Libya.

Publications

Journal Articles

- E. Larbah, M. Zaggout, and S. Salah, "Design and Simulation of Torque Control for Hot Rolling Steel Mill," International Journal of Engineering and Information Technology (IJEIT), vol. 4 (1), pp. 92-98, 2017.
- E. Yahia, M. Elsherif, and M. Zaggout, "Detection of Proximity to Voltage Collapse by Using L-Index," International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), vol. 4 (3), pp. 1755-1765, 2015.
- M. Zaggout, P. Tavner, C. Crabtree, and L. Ran, "Detection of Rotor Electrical Asymmetry in Wind Turbine Doubly-Fed Induction Generators," IET Renewable Power Generation, vol. 8 (8), pp. 878 - 886, 2014.
- M. Elsherif, M. Zaggout, and E. Yahia, "Applying High-Temperature Superconductor Technologies into Power Systems," International Journal of Engineering and Information Technology (IJEIT), vol. 1 (1), pp. 12-16, 2014.
- M. Elsherif, M. Zaggout, K. Ramadan, E. Zakaria, and M. Eljaarani, "Investigation of the Superconductor Application in Medium Distribution Networks to Meet the Future Demand," International Journal of Electrical Engineering, vol. 7 (2), pp. 333-344, 2014.

Conference Papers

- محمود زقوط وخالد الشح، "قياس مؤشرات أداء الصيانة في مصنع اللين في مصراته،" مؤتمر التقنية الصناعية الأول (CIT2017)، كلية التقنية الصناعية، مصراته، ليبيا، 2017.
- E. Larbah, M. Zaggout, and S. Salah, "Robust Decentralized Feedback ISMC for Hot Rolling Steel Mill," International Conference on Innovative Materials and Structures Technologies in Metallurgical Engineering (METECH '15), Istanbul, Turkey, 2015.
- M. Zaggout, M. Elsherif, and F. Yahia, "Impact of Generator Control Parameters on Wind Generator Fault Detection," in Proceedings of 3rd Renewable Power Generation Conference (RPG 2014), Naples, Italy, 2014, pp. 92-96.
- M. Zaggout, P. Tavner, and L. Ran, "Wind Turbine Condition Monitoring Using Generator Control Loop Signals," 6th IET International Conference on Power Electronics, Machines and Drives (PEMD 2012), Bristol, UK, 2012.
- M. Zaggout, P. Tavner, and L. Ran, "Wind Turbine Doubly Fed Induction Generator Fault Detection Based on Control Loop Signals," in Proceedings of Scientific Track, European Wind Energy Association Conference (EWEA2012), Copenhagen, Denmark, 2012.

Awards

Scholarship of the Ministry of Higher Education and Scientific Research, Libya, 2007.

Teaching Experience

Lecturing

- Automatic Control System I.
- Automatic Control System II.
- Electrical and Electronic Engineering.
- Fundamental of Automatic Control Systems.
- Digital Control Systems.
- Industrial Control Systems.
- Instrumentations and Measurements
- Electrical and Electronic Engineering.
- Mathematics II.
- Mathematics IV.
- Advanced Engineering Mathematics (MSc).
- Wind Energy (MSc)

Teaching assistant

- Mathematics II.
- Mathematics IV.
- Engineering Drawing.
- Mechanical Engineering I.

Demonstrator (Lab Assistant)

- Electrical Circuit Lab.
- Digital System Lab.
- Control System Lab.

Activities

- Member of Consultative Board of the International Journal of Engineering & Information Technology (IJEIT).
- Member of Curriculum Preparation Committee, Department of Civil Engineering, College of Technical Sciences, 2016-2017.
- Member of the Committee elections of Guild faculty members at the Faculty of Engineering, Misurata University, Libya, 2016.
- Member of several committees of final exams at the Faculty of Engineering, Misurata University, Libya, 2016.
- Member of the Technical Program Committee of the 7th Computer Science & Electronic Engineering Conference (CEEC2015), University of Essex, UK, 2015.
- Member in several committees for curriculum development in the Libyan Institutes.

Languages

- Arabic-mother tongue.
- English-second language.

References

Available upon request.