

PERSONAL INFORMATION

AHMAD A. SALAH

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Sex Male | Date of birth 14/02/1985 | Nationality Jordanian

Relationship Status | Married

WORK EXPERIENCE

(July 2019 – present)

Assistant Professor / University Teaching Professional

Department of Electrical Engineering, Faculty of Engineering
Al-Hussein Bin Talal University, Ma'an, Jordan.

(June 2018 - July2019)

Lecturer / University Teaching Professional

College of Engineering and Science
Victoria University, Sydney, Australia
160 Sussex Street, Sydney 2000.

2016 - 2019

FEIT/ Teaching and Learning and Examination Supervision

University of Technology Sydney, Sydney, Australia
City campus 15 Broadway Ultimo NSW 2007.

(Oct 2011- Aug 2014)

Maintenance Department Director

Al-Hussein Bin Talal University, Ma'an, Jordan.

(May 2009- Oct 2011)

Networks and Equipment Engineer

Computer Center & Information Technology
AL-Hussein Ben Talal University, Ma'an, Jordan.

(Jan 2012-Aug 2014)

Head of Committees:

- Committee of procurement.
- Receipt Committee Computer and Electrical Equipment.

- Committee of Technical study of the Tenders supplying ink of Printers.
- Committee of Buildings Maintenance and Renovation.

EDUCATION

- 2019 – Present **Graduate Certificate in Tertiary Education GCTE (study online)**
Victoria University, Sydney, Australia
160 Sussex Street, Sydney 2000.
- 2014 – 2018 **Ph.D of Electrical Engineering**
University of Technology Sydney, Sydney, Australia
City campus 15 Broadway Ultimo NSW 2007.
- 2010 - 2012 **Master Of Science in Electrical and Computer Engineering (MSCE)**
New York Institute of Technology, Jordan campus.
- 2003 - 2008 **B.Sc. – Electronics Engineering**
Yarmouk University, Irbid, Jordan.

PERSONAL SKILLS

Languages

- Arabic (Mother tongue)
- English : Fluent

Communication skills

- Good communication skills gained through my experience as the director of Maintenance department, I was leading team of 80 members. In addition, teaching several courses with different universities is another factor in gaining me good communication skills.

Organisational / managerial skills

Job-related skills

- Able to handle multiple tasks and projects simultaneously.
- Readily accepts challenges and approaches problems with innovative skills.
- Working with a coherent team to complete various Engineering deliverables. Altering communication styles for each individual, in order to get the job done to the highest quality.
- Quickly absorbs to situations and retains new information and procedures.

Computer skills

- AutoCAD.
- MATLAB & Simulink.
- Motor-CAD.
- Highly experienced in the Microsoft Office Suite and Visio to produce Systems Engineering Diagrams.
- International Computer Driving License (ICDL).
- Training courses in Microsoft MCITP Certification and deploying windows 10. (Server Administrator Certification Training Courses numbers 70-640, 70-642 and 70-646).

Teaching skills

- Measurements and Instruments
- Electrical Machines
- Distribution and Transmission
- Engineering Mathematics
- Operating System
- Network Projects (Undergraduate degree)
- Network Thesis (Master degree)
- Engineering Practice Reflection

PROFESSIONAL
DEVELOPMENT

- | | |
|---------------------|---|
| May 2013 - Apr 2013 | Training Course in Photovoltaic Principles, Design and Manufacturing.
Philadelphia solar Ltd.Co, Amman, Jordan. |
| Apr 2012 - Jul 2012 | Senior Management Training Course
Al-Hussein Bin Talal University, Ma'an, Jordan. |
| May 2012 -Jul 2012 | Training Course in Quantity Survey
Engineers Training Center, Ma'an, Jordan. |
| Oct 2009 | Training Course of Primavera Project Planner.
Jordan Engineers Association (JEA), Amman, Jordan. |
| Jul 2008 - Feb 2009 | Training in Electrical Maintenance
Jordan Phosphate Mines Company (Eshidiya Mine), Ma'an, Jordan. |

ADDITIONAL INFORMATION

Research Interest:

The main research interests include fault detection of electrical machines, condition monitoring of doubly fed induction generator in wind turbine, grid integration with renewable energy sources, electrical machine design and optimization, power electronic drives, and artificial intelligence.

Publications:

Journal Papers

- [1] "A Review of the Monitoring and Damping Unbalanced Magnetic Pull in Induction Machines Due to Rotor Eccentricity", IEEE Transactions on Industry Applications, vol. 55, pp. 2569-2580, 2019.
- [2] "The detection and suppression of unbalanced magnetic pull in wound rotor induction motors using pole-specific search coils and auxiliary windings," IEEE Transactions on Industry Applications, vol. 53, no. 3, pp. 2066-2076, 2017.
- [3] "Detection of rotor eccentricity in wound rotor induction machines using pole-specific search coils," IEEE Transactions on Magnetics, vol. 51, no. 11, pp. 1-4, 2015.

Conference Papers

- [4] A. Salah and D. G. Dorrell "Operating Induction Machine in DFIG Mode Including Rotor Asymmetry" in 2019 Southern African Universities Power Engineering Conference/Robotics and Mechatronics/Pattern Recognition Association of South Africa (SAUPEC/RobMech/PRASA), IEEE ACCREDITATION APPROVED, 2019, pp. 469-474.
- [5] A. Salah, Y. Guo, and D. G. Dorrell, "Predicting the behavior of induction machine using Motor-CAD and MATLAB packages," IEEE CPE-POWERENG, Doha, April 2018.
- [6] A. Salah, Y. Guo, and D.G. Dorrell, "Rotor fault analysis in a doubly-fed induction generator using impedance matrix technique," IEEE International Magnetics Conference (INTERMAG), 2017, pp. 1-2, 2017.
- [7] A. Salah, Y. Guo, and D. G. Dorrell, "Analysis of DFIG machine with rotor-wound faults", IEEE AFRICON, 2017, South Africa, pp. 1301-1306, 2017.
- [8] A. Salah, Y. Guo, and D. G. Dorrell, "Monitoring and damping unbalanced magnetic pull due to eccentricity fault in induction machines: Electrical Machines and Systems" International Conference on Electrical Machines and Systems, ICEMS, Sydney, Australia, pp. 1-6, 2017.
- [9] A. Salah, Y. Guo, and D. G. Dorrell, "Impedance matrix analysis technique in wound rotor induction machines including general rotor asymmetry," IEEE International Conference on Industrial Electronics, IECON, Florence, Italy, pp. 1821-1826, 2016.
- [10] D. G. Dorrell, A. Salah, and O. Kayani, "The detection and suppression of Unbalanced Magnetic Pull in Wound Rotor Induction Motors Using Pole-Specific Search Coils and Auxiliary Windings," IEEE Energy Conversion Congress and Exposition, ECCE, 2015, pp. 277-284. doi: 10.1109/ECCE.2015.7309699.
- [11] D. G. Dorrell and A. Salah, "Detection of rotor eccentricity in wound rotor induction machines using pole-specific search coils," IEEE International Magnetics Conference (INTERMAG), 2015, pp. 1-1, 2015.

CERTIFICATIONS AND

REFERENCES:

Internet Multimedia

- <https://scholar.google.com/citations?hl=en&user=zAdreOQAAAAJ>
- <https://www.uts.edu.au/staff/ahmad.salah>
- <https://orcid.org/0000-0002-3049-9821>
- <https://www.linkedin.com/in/ahmad-salah-0b2057122/>
- https://www.researchgate.net/profile/Ahmad_Salah8
- http://www.ahu.edu.jo/View_Articlear.aspx?type=9&ID=0&drid=2353

