

Dr. Ali Alqahtani

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Najran University, Najran,
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RESEARCH INTERSETS:

I am interested in Digital Communications, Networks Engineering, Cyber Physical Systems, Artificial Intelligence, Image and Signal Processing.

EDUCATION AND QUALIFICATION :

Doctor of Philosophy in Computer Engineering, Oakland University, United States, MI,
May 2017- Dec 2020

Master of Science in Computer Engineering, Western Michigan University, United States, MI,
Sep 2015 – April 2017

Bachelor of Science in Computer Networks and Communications Engineering, King Khalid University, KSA, Abha, Jan 2008 – Dec 2012

WORK EXPERIENCES :

- Assistant Professor - Najran University, KSA 2021-Present
- Lecturer - Najran University, KSA 2017-2020
- Teaching assistant - Najran University, KSA 2013-2017

TAUGHT COURSES:

- Data Communication and Computer Networks
- Computer Security
- Network Security
- Network Analysis and Design
- Information Distributed Systems
- Undergraduate Project

PUBLICATIONS:

1. Soomro, T.A.; Ali, A.; Jandan, N.A.; Afifi, A.J.; Irfan, M.; Alqhtani, S.; Glowacz, A.; **Alqahtani, A.**; Tadeusiewicz, R.; Kantoch, E.; Zheng, L. Impact of Novel Image Preprocessing Techniques on Retinal Vessel Segmentation. *Electronics* 2021, 10, 2297.
2. Alrizq, M., Mehmood, S., Mahoto, N. A., **Alqahtani, A.**, Hamdi, M., Alghamdi, A., & Shaikh, A. (2021). Analysis of Skim Reading on Desktop versus Mobile Screen. *Applied Sciences*, 11(16), 7398.

3. **Alqahtani, A.,** Ganesan, S., Zohdy, M., & Olawoyin, R. (2020, July). A Novel Non-Coherent OQPSK Detection Based on Interactive Kalman Filtering with Applications in Zigbee Receiver. In 2020 IEEE International Conference on Electro Information Technology (EIT) (pp. 601-608). IEEE.
4. **Alqahtani, A.,** Zohdy, M., Ganesan, S., & Olawoyin, R. (2019, October). A Novel Phase Tracking in ZigBee Receiver Using Extended Kalman Filtering over AWGN Channel. In 2019 IEEE 10th Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON) (pp.0158-0162). IEEE.
5. **Alqahtani, A.,** & Zohdy, M. (2019, May). An Investigation into Using Kalman Filtering for Phase Estimation in IEEE 802.15. 4/ZigBee Receivers Running on Adjacent Channel Interference. In 2019 IEEE International Conference on Electro Information Technology (EIT) (pp. 058-062). IEEE.
6. **Alqahtani, A.,** & Zohdy, M. (2019). ZigBee Signal Phase Tracking Using a Discrete Kalman Filter Estimator under AWGN Channel. Journal of Computer and Communications, 7(01), 10.

Certificates & Training Courses:

- **Occupational Safety and Health Administration**

2019 - present

US Department of Labor (License Number: 21900509958)

- **Pre MBA, College of Extended Studies, San Diego State University, United States**

2014

HONORS/AWARDS:

- Second Class Honor from King Khalid University

Skills:

