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## Faculty Vitae

### 1. Name

NAEL AHMED ALSHAREEFI

### 2. Education

**PhD Communication Engineering University Malaysia Perlis (UniMAP) / 2014**

**MSc. Communication Engineering University of Technology Baghdad-Iraq /2001**

**BSc. Electronic and Communication University of Technology Baghdad-Iraq/ 1998**

**Engineering**

### 3. Academic experience

2004-2005 Lecturer College of Electrical and Electronic Technologies / Baghdad-Iraq.

2005-2006 Lecturer [Dijlah University College](#) / Baghdad-Iraq.

2007-2010 Lecturer AISALAM University College (Arabic: ????? ??????????????) / Baghdad-Iraq.

2014-2016 Lecturer [Al-BANI University College](#) / Baghdad-Iraq.

2016-2018 Lecturer [Dijlah University College](#) - Baghdad-Iraq.

2017-2019 Lecturer University of Information Technology and Communication- Collage of Engineering- Media Technology Engineering Department

2019-now Head of Intelligent Medical Systems Department / College of Biomedical Informatics / University of Information Technology and Communications

### 4. Non-Academic experience

1998-2001 Msc. student University of Technology

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2002-2003 Senior Engineer Research and development Communication center / Baghdad-Iraq.

2003-2007 IT engineer [Sinaa Street, zahrat al basheer ??????? ???? - Baghdad, Iraq](#)

2004-2016 Chief Engineer Ministry of Science and Technology / Baghdad-Iraq

2010- 2014 Phd. student UniMAP ([Universiti Malaysia Perlis](#)) / Malaysia

#### 5. Certifications or professional registrations

- **ICDL (International Computer Driving License) (Certification).**
- **IT Essentials I: (PC Hardware and Software v4.0) (Certification) Cisco Networking Academy.**
- **IT Essentials II: (Network Operating Systems Version 3.0 (Certification) Cisco Networking Academy.**
- **Management of Information Technology: TARGET company for**
- **Training and Consulting, Lebanon-Beirut.**

#### **MCSE (Microsoft Certified System Engineer) in the following subject:**

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- **Microsoft Windows server 2003 (Managing and Maintaining).**
- **Microsoft Windows server 2003 Active Directory (Planning, Implementing and Maintaining).**
- **Microsoft Exchange server 2003 (Implementing and Managing).**
- **Microsoft Internet Security and Acceleration ISA Server 2004.**

#### 6. Membership in professional organizations

- Iraqi Engineers Union

#### 7. Honors and awards

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1. **Silver medal UniMAP Design Expo & Research Exhibition 2013 at 11 January 2013.**
  2. **Bronze medal UniMAP Design Expo & Research Exhibition 2014.**
  3. **Bronze medal as best presenter International Postgraduate Conference On Engineering and Management 2014 (IPCEM2014).**
  4. **Ministry of Science and Technology Shield (2015).**
  5. **THANKS AND APPRECIATION from International Conference on Advanced Science and Engineering IEEE 2018 Kurdistan Region, Iraq.**

8. Service Activities (current)

1- Member of Smart Cities Center.

2- Lecturer in [Dijlah University College](#) - Baghdad-Iraq

9. Publications/Presentations

**Published (International Journal)**

1. **Al-Shareefi, N. A.**, Hassan, S. I. S., Malek, F., Ngah, R., Aljunid, S. A., Fayadh, R. A., et al. (2013). Development of a new approach for high-quality quadrupling frequency optical millimeter-wave signal generation without optical filter. ***Progress in Electromagnetics Research (PIER)***, 134, 189-208.
2. **Al-Shareefi, N. A.**, Hassan, S. I. S., Malek, F., Ngah, R., Abbas, S. A., and Aljunid, S. A. (2013). A cost-effective method for high-quality 60GHZ optical millimeter wave signal generation based on frequency quadrupling. ***Progress in Electromagnetics Research (PIER)***, 137, 255-274.
3. **Al-Shareefi, N. A.**, Hassan, S. I. S., Malek, F., Ngah, R., Abbas, S. A., and Aljunid, S. A. (2014). Optical Generation of 60-GHz Downstream Data in Radio over Fiber Systems Based On Two Parallel Dual-Drive MZMs. *International Journal of Engineering and Technology (IJET)*. Vol. 6, No. 2 Apr-May 2014.
4. J. A. Aldhaibani, A. Yahya, R. Ahmad, N. Al-Shareefi, and M. Salman, "Effect of relay location on two-way DF and AF relay in LTE-A cellular networks," *International Journal of Electronics*

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- and Communication Engineering & Technology, vol. 3, pp. 385-399, 2012.
5. R. A. Fayadh, F. Malek, H. A. Fadhil, N. A. Al-Shareefi, and H. Saad, "MMSE Equalized Rake-Receiver Using Adaptive Filter with a Family of Partial Update Algorithms in Wireless Communication Systems," Rashid A. Fayadh et. al/International Journal of Engineering and Technology (IJET) ISSN, pp. 0975-4024.
  6. [ALDHAIBANI, J. A., ALKHAZRAJI, M. S., & AL-SHAREEFI, N. A. \(2018\). Enhancement Of Maximal Ratio Combiner In Ultra-Wideband Wireless Rake Receiver. Journal of Theoretical & Applied Information Technology, 96\(12\).](#)
  7. J. A. ALDHAIBANI, N. A. J. J. o. E. S. AL-SHAREEFI, and Technology, "FREE SPACE OPTICS BACKHAUL LINK FOR SMALL CELLS OF 5G CELLULAR NETWORKS," vol. 15, no. 3, pp. 1685-1697, 2020.
  8. N. Al-Shareefi, J. Aldhaibaini, S. Abbas, H. J. I. J. f. C. Obaid, and Informatics, "COMPARISON OF THREE DIFFERENT EOU TECHNIQUES FOR FIFTH? GENERATION MM? W WIRELESS NETWORKS," vol. 45, no. 2, pp. 9-14, 2019.
  9. Nael A. Al-Shareefi, Mohanad S. Alkhazraj, Sarah Yahya Ali Al-Abbasi and Sura Adil Abbas, 2019. Evaluation of OFU Techniques for Optical Generation of mm-W Signals in Future Broadband Cellular Communication Networks. *Journal of Engineering and Applied Sciences*, 14: 3463-3471.
  10. H. S. Obaid, N. A. Al-Shareefi, and S. A. J. J. o. S. J. U. Abbas, "Internet of Things and Wireless Sensor Networks for Environmental Noise Sensing: Issues and Challenges," vol. 54, no. 6, 2019.
  11. N. A. Mohammed, S. Hassan, F. Malek, R. Ngah, and S. A. Abbas, "Optical generation of 60-GHz signal for millimeter wave wireless communication," in *2013 IEEE International RF and Microwave Conference (RFM)*, 2013, pp. 437-440: IEEE.
  12. N. A. Al-Shareefi *et al.*, "A study in OCS millimeter-wave generation using two parallel DD-MZMs," in *2013 IEEE 11th Malaysia International Conference on Communications (MICC)*, 2013, pp. 418-421: IEEE.

10. Most recent professional development activities

**- Reviewer and section editor, Iraqi journal of computer and informatics.**

**- Reviewer, [ETRI Journal - Wiley Online Library](#).**

**- Reviewer, Journal of Modern Optics - [Taylor & Francis](#).**

**- Reviewer, Journal of Optical Communications, [De Gruyter](#).**

**-Reviewer, Progress In Electromagnetics Research (PIER).**

**-Reviewer, Alexandria Engineering Journal**

**Fields of Research Expertise / Interests:**

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60-GHz Millimeter-wave Generation, 5th generation wireless systems,

- Radio-over-Fiber, Optical Fiber Communication.
- 5th generation Cellular systems.
- - Communication Engineering Skills:

60 GHz wireless Gigabit Ethernet communication system.

- Mobile Cellular Communication.
- Professional Wireless Intercom BTR1 receiver
- Win Radio 3700 Computer communication receiver
- - Software Skills:
- Software Languages: Visual Basic.NET, MATLAB & Simulink, Turbo C++.
- Software packages: OptiSys 9.0, Cisco Packet tracer 7.0.