



1. Name and Academic rank: Abdul Rahman El Falou, Assistant Professor, Full time

2. Education: Degrees, discipline, institution and date:

- Ph.D., Electrical Engineering, Telecom Bretagne - France, 2011
- M.E., Electrical Engineering, Ecole National d'Ingénieur de Brest – France, 2007
- B.E., Electrical Engineering, Lebanese University – Faculty of Engineering, 2007

3. Academic experience

- Beirut Arab University, Assistant Professor, 2023-present, full time
- American University of the Middle East, Assistant Professor, 2022-2023, full time
- Beirut Arab University, Assistant Professor, 2017-2022, full time
- Beirut Arab University, Assistant Professor, 2014-2017, part time
- AZM Institute, Assistant Professor, 2016-2017, part time
- Conservatoire National des Arts et Métiers (CNAM), Assistant Professor, 2014-2017, part time

4. Non academic experience – company or entity, title, brief description of position, when (ex. 1993-1995), full time or part time

- Mobinets (Lebanon), Product Manager, responsible of Planning, Design and Monitoring platforms for Microwave and Optical Networks, 2014-2015, full time
- Ekinops (France), System Architect Engineer, in charge of the Design, Testing and Validation of new products: Optical Amplifiers & 100G Transponders, 2011-2014, full time
- Orange (France), R&D Engineer, worked on Dispersion Compensation solutions for optical networks using Channel Coding, Signal Processing and Electronic Equalization, 2007-2010, full time

5. Certification or professional Registration

- The Order of Engineers and Architects of Tripoli.

6. Current membership in professional organizations

- IEEE Member

7. Honors and Awards:

- Celtic-Plus Gold Award for Innovation and Excellence, France 2014.
- PhD with High distinction From Telecom Bretagne - France, 2011.
- Doctoral scholarship award, Orange Labs – France, (Oct. 2007 – Oct. 2010)



8. Service activities

- 2017 – 2022 Member of the BAU Website committee
- 2018 – 2020 Member of the scientific Committee at the Order of the Engineers and Architect
- 2018 – 2020 Board member of the Employees branch at the Order of the Engineers and Architect
- 2017 – 2019 Member of the BAU Students' Activities committee
- 2017 – 2020 Member of the National Education Robotics Day
- 2016 – 2021 Member of the Municipality Council (Kalamoun city)
- 2011 – 2014 Member of the project team SASER (Safe And Secure European Routing)
- 2011 – 2014 Member of the project team EO-Net (Elastic Optical Networks)

9. Principal publications and presentations from the last five years:

9.1 Textbook

None

9.2 Journal Publications

- A.S. Karar, A. El Falou, J. Barakat, Z. Gürkan, K. Zhong, “Recent Advances in Coherent Optical Communications for Short-Reach: Phase Retrieval Methods”, *Photonics*, vol. 10, no. 3, 2023.
- S. Hussein, A. El Falou, W. Sahyoun, Y. Ziade, R. Shubair, “Evaluation of Nano-Antenna Directivity Contributions for EM Propagation in WBANs”, *International Journal of Nanoparticles and Nanotechnology*, 5:032.

9.3 Conference Proceedings

- M. Moussilli, A. El Falou, R. Shubair, “Overview of Nano-Sphere and Nano-Rod Geometries for Localized Surface Plasmon Resonance Biosensing”, *ANTEN 2021*, Winnipeg, Canada.
- W. Kouzaiha, A. El Falou, “Single and Double staircase FMCW waveforms for enhanced range and velocity resolutions”, *ISAET2019*, Rome, Italy.
- S. Hussein, A. El Falou, Y. Ziade, R. Shubair, “On the Use of Optogenetics Wireless Systems in Modern Pathology: Opportunities and Challenges”, *ICECTA2019*, RAK UAE.
- S. Hussein, A. El Falou, W. Sahyoun, Y. Ziade, R. Shubair, “Effect of Water Molecules on the Channel Modeling in THz Band for WBANs”, *ICECTA2019*, RAK UAE.
- M. Moussilli, A. El Falou, R. Shubair, “Performance Parameter Optimization of Graphene Enhanced Surface Plasmon Resonance Biosensors”, *APS 2019*, Atlanta, USA.



10. Professional development activities in the last five years

- "Strategic Financial Planning for Municipalities: Legal Compliance and Fiscal Responsibility", a three-day training organized by the National School of Administration in collaboration with BAU-Tripoli.
- "Hub Mastery: A Training Program for Entrepreneurship Hub Managers", a two-month program organized by COSV in collaboration with BAU-Tripoli.