Rami Khoder CV

1. **Personal and Academic rank:** Rami khoder, Assistant Professor, full time at **Beirut Arab University (ABET Accredited)**



Address	Nakhleh koura
Contact	70655940 E-Mail r.khoder@bau.edu.lb ramikhoder33@gmail.com .
Date of birth	9 April 1993
Status	Married – 3 kids

2. **Education: Degrees, discipline, institution, and date:**
   Ph.D., Communication and Electrical Engineering, Lebanese University and Versailles University 2021
   M.S., Communication and Electrical Engineering, Lebanese University 2017
   B.S., Electrical Engineering, Beirut Arab University, 2016

3. **Academic experience**
   - Beirut Arab University, Assistant Professor, 2022- present, full time
   - Beirut Arab University, City University, Arab Open University, American University of Technology, Lecturer, 2021- 2022, part time

4. **Nonacademic experience**
   - Trainee Techno New Tripoli Lebanon summer 2012. In the department of communication and administrative information.
   - Training in the technology department in MEA, Beirut Airport Lebanon. Summer 2014 in Network Administration, System Engineering and Telecommunication and Help Desk and Support.
   - Internship Touch Lebanon, Beirut Lebanon summer 2015, in Technical department at the Mobile Telecommunication.

5. **Current membership in professional organizations**
   - Member in Order of Engineering North Lebanon

6. **Service activities**
   - 2026 Organizing robotics competition for schools - Beirut Arab University-Tripoli Campus
   - 2024 Certificate of attendance in bublic speaking - Beirut Arab University-Tripoli Campus
   - 2023 Alumni committee member -Beirut Arab University-Tripoli Campus
   - 2023 Completing the Training of Trainers Work Ready Now
   - 2022 Activity committee member -Beirut Arab University-Tripoli campus

- 2021 Certificate of attendance in the first Arab Universal Design for Learning-Doha Qatar

7. Experience Courses (Undergraduate)

a. **Programming 1**
b. **Linear algebra**
c. **Electronics circuit 1**
d. **Electronics circuit 2**
e. **Antenna and propagation 1**
f. **Communication theory 1**
g. **Communication theory 2**
h. **Cellular communication**
i. **Numerical**

8. Research Interests

a. Vehicular network
b. Artificial intelligence
c. Security and encryption
d. Antenna and propagation

9. References:

a. Prof. Rola Naja rola.naja@esiee.fr (+96171831850)
b. Prof. Ziad Osman z.osman@bau.edu.lb (+9613836089)
c. Prof. Mohamad khalil mohamad.khalil@ul.edu.lb (+9613396747)

10. Rank Link: Associate Professor

https://www.bau.edu.lb/Staff/Engineering-Tripoli/Academic

11. Publications

1. **R.khoder,** R. Naja. Software-defined networking-based resource management in 5G HetNet. In *2018 IEEE (MENACOMM)* (pp. 1-6). April 2018, Beirut, Lebanon.
2. **R.Khoder**, R.Naja, S.Tohme. SPS algorithm in Vehicular Networks. In Proc. of Junior Conference on Wireless and Optical Communications, February 2019, Paris,France.
3. **R.Khoder**,R.Naja, S.Tohme.Performance Evaluation of Speed Platoon Splitting Algorithm.In Vehicular Ad-hoc Networks for Smart Cities

IWVSC'2019,France.Advances Systems & Computing,vol1144 Singapore.https://doi.org/10.1007/978-981-15-3750-9_3.

4. **R.Khoder**, R.Naja, S.Tohme. Impact of Interference on Visible Light Communication Performance in a Vehicular Platoon. In Proc. IEEE International Wireless Communications and Mobile Computing Conference IWCMC, May 2020, Limassol,Cyprus, pp.1935-1939,doi: 10.1109/IWCMC48107.2020.9148127.
5. **R.Khoder**, R.Naja, N.Mouawad, S.Tohme. Vertical Handover Network Selection Architecture for VLC Vehicular Platoon Driving Assistance. In Proc. IEEE International Symposium on Personal, Indoor and Mobile Radio Communications PIMRC, June 2020, London, United Kingdom, pp. 1-6, doi: 10.1109/PIMRC48278.2020.9217118.
6. N.Mouawad, **R.Khoder**, R.Naja, S.Tohme. Vertical Group Handover Congestion Game for a Vehicular Platoon in VLC Networks| Journal of Annals of Telecom-accepted
7. **R.Khoder,** N.Mouawad, R.Naja, S.Ismail, S.Tohme. Vertical Handover Decision using Machine Learning in Vehicular Platooning, In *2021 IEEE (MENACOMM)* December 2021, Agadir, Morroco.
8. **R.khoder, N.khatib,** Towards a lightful deep learning-based IDS for automotive networks (with a focus on CAN), in AI-SEC-2025: The 1-st International Workshop on Artificial Intelligence for Cybersecurity (AI-SEC-2025)
9. **R.khoder, K.Samrout, N.Bakir,** A Survey on Recent Federated Learning Techniques in Healthcare: Challenges and Future Trends, in 2026 International Conference on Artificial Intelligence, Systems, and Emerging Technologies (ICAISET)
10. **R.khoder, K.Samrout, N.Bakir, Mark Ghraybeh,** A Controlled Multi-Level Framework for Evaluating Gradient Leakage in Federated Learning under DLG Reconstruction Attack, 2026 IEEE International Conference on Intelligent Computing and Next-Generation Technologies (ICONET)