HIBA BAZZI, PhD

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PERSONAL AND ACADEMIC RANK

Hiba Bazzi, Assistant Professor and Full-Time Faculty Member at Beirut Arab University. Coordinator of the Computer Engineering Program across three campuses, with active involvement in international academic cooperation, IAU–OpenEU study visits, EU mobility programs, and IEEE community activities.

EDUCATION

- PhD, Computer and Communication Engineering, Beirut Arab University, 2024
- M.E., Computer and Communication Engineering, Beirut Arab University, 2015
- B.E., Computer and Communication Engineering, Beirut Arab University, 2007
- Cisco Instructor Certificate, Lebanese University Regional Academy, 2010

LANGUAGES

- Arabic – Native
- English – Fluent (academic and professional working proficiency)

INTERNATIONAL ACTIVITIES & MOBILITY

- IAU–OpenEU Study Visit, Universidade Aberta (UAb), Portugal, October 2026
- IAU–OpenEU Study Visit, Universidad Nacional de Educación a Distancia (UNED), Spain, 2026
- Erasmus+ Staff Mobility, Italy, June 2023
- Erasmus+ Staff Mobility, Italy, February 2023
- Active participation in IEEE cross-cultural and community activities, including international student and young professional initiatives

ACADEMIC LEADERSHIP & ADMINISTRATIVE RESPONSIBILITIES

- Coordinator, Computer Engineering Program, Beirut Arab University (three campuses)
- Co-Chair and Organizer, ICONET26 – First IEEE Computer Society Lebanon Chapter Conference, Beirut Arab University, 2026
- Head of the Student Activities Committee, Faculty of Engineering, Beirut Arab University
- Participation in curriculum development, academic quality assurance, and accreditation-related activities
- Coordination of academic and student-related activities
- Participation in international conferences, workshops, and academic seminars

ACADEMIC EXPERIENCE

- Beirut Arab University – Assistant Professor, 2022–Present (Full-Time)
- Beirut Arab University – Lecturer, 2015–2022 (Part-Time)
- Beirut Arab University – Teaching Assistant, 2008–2015 (Part-Time)
- Lebanese University, Faculty of Science – Lab Instructor, 2008–2021
- Lebanese University, Faculty of Science – Cisco Instructor, 2010–2021
- Lebanese University, Faculty of Science – Course Site Administrator, 2008–2021
- Lebanese University, Faculty of Science – Microsoft System Administrator, 2019–2021

PROFESSIONAL MEMBERSHIPS

- IEEE Computer Society – SYP Activities Coordinator
- Member, IEEE Women in Engineering (WIE)
- Member, Order of Engineers Lebanon

RESEARCH INTERESTS

- Software-Defined Networking (SDN) and Network Function Virtualization (NFV)
- Artificial Intelligence and Machine Learning Applications
- AI in Education and Digital Transformation in Higher Education
- Cybersecurity and Intelligent Systems
- Emerging Technologies and Innovation in Engineering Education

AREAS OF EXPERTISE

- Innovation in Engineering Education
- Digital Transformation in Higher Education and Distance/Open Learning
- Smart Systems and Intelligent Networks
- Industry–Academia Collaboration
- Academic Program Coordination

COURSES TAUGHT

- Computer Networks, Cybersecurity, Database, Web Development
- Digital Systems 1, Digital Systems 2, Digital System Design
- Programming 1, Programming 2, Programming for Engineers
- Work Ready Now (professional skills and career readiness)

ACADEMIC PROFILES

- **Google Scholar:** https://scholar.google.com/citations?user=hdZA-sQAAAAJ
- **Scopus Author ID:** 57188847387
- **ORCID ID:** 0009-0001-7982-9713
- **ResearchGate:** https://www.researchgate.net/profile/Hiba-Bazzi-4

SELECTED PUBLICATIONS

- Mustafa El Bizri, Hiba Bazzi, Ali H. Nassar, Ali M. Haidar. "Enhancing Healthcare Data Security with Blockchain and Advanced Cryptography." 2025 IEEE International Conference on New Trends in Computing Sciences (ICTCS).
- Bazzi, H.S.; Jaber, R.A.; El-Hajj, A.M.; Hija, F.A.; Haidar, A.M. "Enhanced CPU Design for SDN Controller." Micromachines 2024, 15, 997. DOI: 10.3390/mi15080997.
- Hiba Bazzi, Ali Nassar, Imane Haidar, Ali Haidar, Ziad Doughan. "ResNet-Based Detection of SYN Flood DDOS Attacks." 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), pp. 1–6. DOI: 10.1109/IC2PCT60090.10486707.
- Hseiki, H.A., Bazzi, H.S., Kassem, R., El-Hajj, A., Haidar, A.M. "AI to Preserve Energy and Environment." IEEE International Conference on Smart Systems and Power Management (IC2SPM), 10–11 November 2022.
- Ramzi A. Jaber, Hiba S. Bazzi, Ali Massoud Haidar, Bilal Owaidat, and Abdallah Kassem. "Ternary Adder and Multiplier Designs Using Unary Operators and Ternary Multiplexers." 3ICT 2021 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (29–30 September 2021).

REFERENCES

Prof. Ali Haidar, ECE Chairperson, Beirut Arab University – Email: ari@bau.edu.lb
Prof. Yehia Temsah, Engineering Dean, Beirut Arab University – Email: ytemsah@bau.edu.lb