


Dr.Hamzih Alsmadi

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PROFESSIONAL SUMMARY

PhD-qualified Computer Science lecturer and researcher with over 15 years of global teaching experience in Canada and Saudi Arabia. I have taught over 16 courses across Computer Science departments. Demonstrated excellence in academic instruction, course coordination, curriculum development, and peer-reviewed publishing. Skilled in guiding research initiatives and managing quality assurance processes. As a passionate academic with a strong research profile in Computer Science, particularly in networks, I possess excellent communication skills, independence, and a collaborative mindset. I am committed to continuous learning and professional growth, with a proven ability to educate, inspire, and mentor students while advancing research that contributes meaningfully to the field.

TEACHING EXPERIENCE

Assistant Professor, Computer Science

Jadara University – Irbid, Jordan | Mar 2026 – Present

Postdoctoral Fellow, Computer Science

Lakehead University – Thunder Bay, ON, Canada | Jul 2025 – Jan 2026

- Conducting postdoctoral research focusing on advanced topics in networks and intelligent systems.
- Collaborating with faculty on research publications and departmental initiatives.
- Supervising and mentoring graduate students in research projects.

Part-Time Instructor, Computer Science *Lakehead University – Orillia Campus, ON, Canada | Jan 2025 – Apr 2025*

- Taught “Assembly Language Programming and Operating Systems.”

Part-Time Instructor, Computer Science *Algoma University – Brampton, ON, Canada | Sep 2024 – Dec 2024*

- Taught “COSC1046 - Introduction to Computer Science I (Java)”.

Part-Time Instructor, Computer Science *Lakehead University – Thunder Bay, ON, Canada | Summer 2024*

- Taught “Computer Programming II” focusing on object-oriented programming.

Graduate Assistant III *Lakehead University – Thunder Bay, ON, Canada | Sep 2018 – Sep 2022*

- Worked as a Teaching Assistant during my PhD studies: supervised labs, graded assessments, held office hours, and invigilated exams for multiple courses.

Lecturer, Computer Science *Imam Abdulrahman bin Faisal University – Saudi Arabia | Sep 2011 – Sep 2018*

- Department e-learning coordinator.
- Teaching and supervising students.
- Course coordinator for several courses.
- Active member of the curriculum unit.
- Member of the quality assurance unit.
- Received multiple letters of appreciation for extra-curricular duties.

Lecturer, Computer Science *Najran University – Saudi Arabia | Sep 2009 – Sep 2011*

- Taught and supervised students.
- Helped coordinate several courses.
- Member of the community college exam writing and review committee.
- Member of the Course Plan & Description Development committee.

EDUCATION

PhD in Electrical & Computer Engineering

Lakehead University, Canada | Aug 2023

Specialization: Networks and Intelligent Systems

Dissertation: “UAVs employment in next-generation wireless communication systems”

MSc in Information Technology (equivalent to Computer Science at University Utara Malaysia)

University Utara Malaysia, Malaysia | Jan 2008

Thesis: “Scheduling Examination Faculty Information Technology in UUM”

BSc in Computer Science

Al-Balqa’a Applied University, Jordan | Jan 2006

TECHNICAL SKILLS

- Programming: Java, C++, C, VB.NET, Python
 - Simulation: MATLAB, Gurobi Optimization
 - Document Preparation: LaTeX, MS Office
 - Learning Platforms: Moodle, Blackboard, Brightspace
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COURSES TAUGHT

- Programming: Java, C++, VB.NET, Assembly Language
 - Systems: Operating Systems, Database Management
 - Networking: Computer Networks, Fundamentals of Networking
 - Security: Network Security, Information & Computer Security
 - Design: Object-Oriented Analysis & Design, Systems Analysis
 - Introductory: Introduction to Computer Science I, Programming Principles
 - Advanced Topics: Advanced Software Development, Selected Topics in CS
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RESEARCH & PUBLICATIONS




1. Alsmadi, H. et al. (2024). "Hardware Impairments Effects on Over the Air System Assisted by Unmanned Aerial Vehicle." *IEEE Communications Letters*.
 2. Alsmadi, H. et al. (2023). "Capacity Analysis of UAV Communications Under the Non-Ideal Transceiver Effects." *IEEE Communications Letters*, 27(8), 2182-2186.
 3. Alsmadi, H. (2023). *UAVs Employment in Next Generation Wireless Communication Systems*. Doctoral Dissertation.
 4. Alsmadi, H. et al. (2022). "Resource Allocation Algorithm for UAV Networks." *IEEE Canadian Journal of Electrical and Computer Engineering*, 45(3), 279-284.
 5. Alsmadi, H. et al. (2022). "Less Complex Algorithm to Max-Min Resource Allocation for UAV Networks." *VTC2022-Spring, IEEE*.
 6. Alsmadi, H. et al. (2017). "Face Image Recognition Using Genetic Algorithm." *JECS*, 18(1), 51-61.
 7. Alsmadi, H. (2008). Scheduling Examination Faculty Information Technology in UUM Master's Thesis
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LANGUAGES

1. Arabic — Mother tongue

2. English — Fluent

REFERENCES

1. Dr. Usama Abdel Raouf – Chair, Department of Management Information Systems, Imam Abdulrahman Bin Faisal University
 ubadawi@iau.edu.sa
2. Abduljalil Hussain Alhadlaq – Dean’s Secretary, Director of Administrative and Financial Affairs, Imam Abdulrahman Bin Faisal University
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3. Dr. Abedalrhman Alkhateeb – Lakehead University, Canada
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