Mohammed Al Saleh

Assistant Professor of Computer Science
Mathematics & Computer Science Department
Faculty of Sciences
Beirut Arab University



Current Position

Position held	Assistant Professor of Computer Science
Institute	Beirut Arab University
Research interests	Systems and software security, Network and infrastructure security, Artificial Intelligence and Machine Learning for Cybersecurity, IoT security, Cryptography and privacy, Cloud Computing and Virtualization Security

Personal Information

Surname/First name	Al Saleh, Mohammed
Address	Bqosta, Saida Lebanon
Telephones	+961 7 985080 Ext 3314
E-mail(s)	mhds@bau.edu.lb ; mhdalsaleh@gmail.com
Nationality	Lebanese
Date and Place of birth	June, 20th – 1986, Saida – Lebanon

Education

Title of qualification (in process)	Doctorate (Ph.D) degree in Computer Science
Dates	From Oct. 2018 - July 2022
Thesis Title	Situation-aware and Proactive Analytics for Dynamic Adaptation in Real Time (SPADAR)
Case Study	Introducing Artificial Intelligence to the Radiation Early Warning System
Supervisor Team	Prof. Beatrice Finance (University of Versailles UVSQ, Versailles – France) Prof. Ali Jaber (Lebanese University, Beirut – Lebanon)

Academic organization(s)

1. University of Paris Saclay
Versailles Saint-Quentin en Yvelines University (UVSQ)
55 avenue de Paris
78035 Versailles, France

2. Lebanese University
Rafic Hariri Campus, Hadath
Beirut, Lebanon

Title of qualification	Master's degree in Computer Science
Dates	Oct. 2016 – Oct. 2017
Thesis Title	Computer Science and Risk Management
Supervisor Team	Prof. Mohanad Said Hacid (Lyon)
	Prof. Ali Jaber (Lebanon)
Academic organization(s)	Claude Bernard Lyon 1 University (LIRIS Laboratory)
	Lebanese University

Title of qualification	Bachelor Degree in Information Systems
Dates	2004 – 2008
Principal subjects (General)	Mathematical analysis, Physics, Chemistry, electronics, automation, statistics
Occupational skills covered	Computer architecture, operating systems, operations research, software engineering, networks, databases, programming and modelling languages
Academic organization	Faculty of Sciences
	Beirut Arab University

Work Experience

Dates	January 2024 - Present
Position held	Assistant Professor of Computer Science
Name and address of employer	Beirut Arab University, Beirut, Lebanon

Dates	December 2014 – January 2024
Position held	Computer & Information Security Researcher
Name and address of employer	Lebanese Atomic Energy Commission, National Council for Scientific Research, Presidency of the Council of Ministers, Beirut, Lebanon

Dates	September 2016 – July 2023
Position held	Computer Science Instructor
Name and address of employer	Intelligencia Data and AI Research Center
	Paris - France

Dates	September 2013 - November 2014
Position held	Website and Database Manager, Computer Science Instructor
Name and address of employer	Kuwait Bilingual School
	Al Jahraa - Kuwait

Dates	December 2008 - August 2013
Position held	Programming Instructor
Name and address of employer	Zahraat Al Sahraa International School
	Jeddah – Kingdom of Saudi Arabia

Professional Development and International Engagement

Dates	October 2025
Workshop/Training title	Technical Meeting on the Application of Artificial Intelligence for Nuclear Security
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Vienna, Austria

Dates	October 2024
Workshop/Training title	Regional Workshop on Drafting Computer Security Regulations
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Daejeon, Republic of Korea

Dates	May 2024
Workshop/Training title	International Conference on Nuclear Security: Shaping the Future
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Vienna, Austria

Dates	December 2023
Workshop/Training title	Regional Training Course on Computer Security for Industrial Control Systems for Nuclear Security
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Vienna, Austria

Dates	November 2023
Workshop/Training title	Regional Workshop and Technical Exchange on Human Resource Development for Nuclear Security Support Centres in the Asia and the Pacific Region
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Beijing, China

Dates	October 2023
Workshop/Training title	Technical Meeting on International Nuclear Security Advisory Service (INSServ) Missions
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Vienna, Austria

Dates	July 2023

Workshop/Training title	International Physical Protection Advisory Service Mission (Joined as expert)
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Abuja, Nigeria
Dates	June 2023
Workshop/Training title	International Conference on Computer Security in the Nuclear World
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Vienna, Austria
Dates	November 2022
Workshop/Training title	Interregional Workshop on Developing and Implementing Nuclear Security Systems and Measures for Major Public Events
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Abu Dhabi, United Arab Emirates
Dates	October 2022
Workshop/Training title	IAEA School on Nuclear and Radiological Leadership
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Cairo, Egypt
Dates	August 2022
Workshop/Training title	Conducting Computer Security Assessments for Nuclear Facilities
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Tokai, Ibaraki Prefecture, Japan
Dates	October 2021
Workshop/Training title	International Training Course on Basic Aspects of the Design of Physical Protection Systems for Radioactive Material and Associated Facilities
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Obninsk & Saint Petersburg, Russia
Dates	August 2021
Workshop/Training title	International Physical Protection Advisory Service Mission (Joined as expert)
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Ouagadougou, Burkina Faso

Dates	September 2019
Workshop/Training title	Computer Security Approaches and Applications in Nuclear Security
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Berlin, Germany
Dates	September 2019
Workshop/Training title	International Workshop on the International Physical Protection Advisory Service (IPPAS) for Potential IPPAS Team Members
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Vienna, Austria
Dates	June 2019
Workshop/Training title	Introducing AI into Radiation Data Analysis
Name of organization	Cognitus Data Science Center
Address of organization	Paris, France
Dates	September 2018
Workshop/Training title	Physical Protection and Security Management Training Course
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Tunisia
Dates	August 2018
Workshop/Training title	Regulatory Development Workshop, Assurance Visits, S&S Sustainability Enhancement Visit and RAILS Course
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Rabat, Morocco
Dates	August 2017
Workshop/Training title	Regional Training Course on Building Capacities for Nuclear Security
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Beijing, China
Dates	July 2016
Workshop/Training title	International School on Nuclear Security for Arab Speaking Countries
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Cairo, Egypt
Dates	October 2015
Workshop/Training title	Nuclear Security Detection Architecture
Name of organization	International Atomic Energy Agency (IAEA)
Address of organization	Istanbul, Turkey

Selected Research Work & Publications

1. Al Saleh, B. Finance, Y. Taher, and A. Jaber. "Towards An Autonomous Radiation Early Warning System". In CEUR Workshop Proceedings. BDC-SIntell, Versailles, France, 2019.

2. M. Al Saleh, B. Finance, Y. Taher, R. Haque, A. Jaber and N. Bachir. “Introducing artificial intelligence to the radiation early warning system”. Environmental Science and Pollution Research, Pages 14036-14045, 2021.

3. Al Saleh, Mohammed, Beatrice Finance, Yehia Taher, Ali Jaber, and Roger Luff. 2022. "Time Series Clustering of High Gamma Dose Rate Incidents" Engineering Proceedings 18, no. 1:24.

4. Al Saleh, Mohammed, Beatrice Finance, Yehia Taher, Ali Jaber, and Roger Luff. 2022. "Online Classification of High Gamma Dose Rate Incidents" Engineering Proceedings 18, no. 1:28.

5. Yassine, H.A.K.; El Saleh, M.; Nakhal, B.E.; El Chakik, A. Centralized Two-Tiered Tree-Based Intrusion-Detection System (C2T-IDS). IoT 2025, 6, 67.

6. Azar, J.; Al Saleh, M.; Couturier, R.; Noura, H. Text Mining and Unsupervised Deep Learning for Intrusion Detection in Smart-Grid Communication Networks. IoT 2025, 6, 22.

7. Al Saleh, M.; Shbaro, R.; Azar, J. A Novel IoT Security Framework Combining X25519 with NIST Lightweight Ascon Encryption and Hybrid Transform-Domain Steganography. Telecom 2026, 7, 40.

8. Rawas S, Al Saleh M, Samala AD, Fortuna A (2026;), "Beyond encryption: quantum-enhanced behavioral security for the post-quantum era". Applied Computing and Informatics, Vol. ahead-of-print No. ahead-of-print.

9. Saleh, M.A.; Azar, J. Adaptive Federated Baseline K-Means for Lightweight IoT Intrusion Detection: Auto-Thresholding and Robust Statistics Aggregation. IoT 2026, 7, 67.

10. Azar, J., Rawas S, Saleh, M.A., Do Network Intrusion Detection Models Generalize Across Datasets? Evidence from NF-V2 and Corrected CICIDS2017, BAU Journal, Accepted October 2026.

References

Prof. Bilal Nsouli
National Focal Point for CBRN Risk Mitigation Programs / Director General (Lebanese Atomic Energy Commission)
CNRS – Lebanon
Grand Serail, Beirut – Lebanon

Prof. Beatrice Finance
Maître de conférences
Versailles Saint-Quentin en Yvelines University (UVSQ)
Paris – France

Prof. Yehia Taher
Maître de conferences
Versailles Saint-Quentin en Yvelines University (UVSQ) Paris – France