



جامعة بيروت العربية  
BEIRUT ARAB UNIVERSITY

## 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**

Introducing Artificial Intelligence to the Radiation Early Warning System (End to end tested framework), Information Security, Threat Analysis, Insider Threat, Service Oriented Architecture, Cloud Computing, Business Process Management, Complex Event Processing, Realtime Big Data Analytics, Information Security, Cyber Security, Internet of Things (IOT), Physical Protection Systems.

### Personal Information

**Surname/First name** Al Saleh, Mohammed

**Address** 312 Street

Bqosta, Saida

Lebanon

**Telephones** +961 7 985080 Ext 3314

**E-mail(s)** mhdalsaleh@gmail.com ; mhdalsaleh@bau.edu.lb

**Nationality** Lebanese

**Date and Place of birth** June, 20<sup>th</sup> – 1986, Saida – Lebanon

### Education & Diplomas

**Title of qualification (in process)** Doctorate (Ph.D) degree in Computer Science

**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)

<b>Academic organization(s)</b>	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
<b>Title of qualification</b>	Master's degree in Computer Science	
<b>Thesis Title</b>	Computer Science and Risk Management	
<b>Supervisor Team</b>	Prof. Mohanad Said Hacid (Lyon) Prof. Ali Jaber (Lebanon)	
<b>Academic organization(s)</b>	Claude Bernard Lyon 1 University (LIRIS Laboratory) Lebanese University	
<b>Title of qualification</b>	Bachelor Degree in Information Systems	
<b>Principal subjects (General)</b>	Mathematical analysis, Physics, Chemistry, electronics, automation, statistics	
<b>Occupational skills covered</b>	Computer architecture, operating systems, operations research, software engineering, networks, databases, programming and modelling languages	
<b>Academic organization</b>	Faculty of Sciences Beirut Arab University	

### Work Experience

<b>Dates</b>	January 2024
<b>Position held</b>	Assistant Professor of Computer Science
<b>Name and address of employer</b>	Beirut Arab University, Beirut, Lebanon
<b>Dates</b>	December 2014
<b>Position held</b>	Computer & Information Security Researcher
<b>Name and address of employer</b>	Lebanese Atomic Energy Commission, National Council for Scientific Research, Presidency of the Council of Ministers, Beirut, Lebanon
<b>Dates</b>	September 2016
<b>Position held</b>	Computer Science Instructor
<b>Name and address of employer</b>	Intelligencia Data and AI Research Center Paris - France

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

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

### Professional Development

**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

<b>Dates</b>	November 2022
<b>Workshop/Training title</b>	Interregional Workshop on Developing and Implementing Nuclear Security Systems and Measures for Major Public Events
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Abu Dhabi, United Arab Emirates
<b>Dates</b>	October 2022
<b>Workshop/Training title</b>	IAEA School on Nuclear and Radiological Leadership
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Cairo, Egypt
<b>Dates</b>	August 2022
<b>Workshop/Training title</b>	Conducting Computer Security Assessments for Nuclear Facilities
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Tokai, Ibaraki Prefecture, Japan
<b>Dates</b>	October 2021
<b>Workshop/Training title</b>	International Training Course on Basic Aspects of the Design of Physical Protection Systems for Radioactive Material and Associated Facilities
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Obninsk & Saint Petersburg, Russia
<b>Dates</b>	August 2021
<b>Workshop/Training title</b>	International Physical Protection Advisory Service Mission (Joined as expert)
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Ouagadougou, Burkina Faso
<b>Dates</b>	September 2019
<b>Workshop/Training title</b>	Computer Security Approaches and Applications in Nuclear Security
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Berlin, Germany
<b>Dates</b>	September 2019
<b>Workshop/Training title</b>	International Workshop on the International Physical Protection Advisory Service (IPPAS) for Potential IPPAS Team Members
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Vienna, Austria

<b>Dates</b>	June 2019
<b>Workshop/Training title</b>	Introducing AI into Radiation Data Analysis
<b>Name of organization</b>	Cognitus Data Science Center
<b>Address of organization</b>	Paris, France
<b>Dates</b>	September 2018
<b>Workshop/Training title</b>	Physical Protection and Security Management Training Course
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Tunisia
<b>Dates</b>	August 2018
<b>Workshop/Training title</b>	Regulatory Development Workshop, Assurance Visits, S&S Sustainability Enhancement Visit and RAILS Course
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Rabat, Morocco
<b>Dates</b>	August 2017
<b>Workshop/Training title</b>	Regional Training Course on Building Capacities for Nuclear Security
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Beijing, China
<b>Dates</b>	July 2016
<b>Workshop/Training title</b>	International School on Nuclear Security for Arab Speaking Countries
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Cairo, Egypt
<b>Dates</b>	October 2015
<b>Workshop/Training title</b>	Nuclear Security Detection Architecture
<b>Name of organization</b>	International Atomic Energy Agency (IAEA)
<b>Address of organization</b>	Istanbul, Turkey
<b>Dates</b>	May 2014
<b>Workshop/Training title</b>	- Microsoft Certified Solutions Expert: Messaging - Microsoft Certified Solutions Associate: Windows Server 2012 - Microsoft Certified Solutions Associate: Office 365
<b>Name of organization</b>	Microsoft
<b>Address of organization</b>	Dubai, UAE

**Dates** July 2008  
**Workshop/Training title** Maintaining A Microsoft SQL Server 2005 Database  
**Name of organization** New Horizons Computer Learning Centers of Lebanon  
**Address of organization** Beirut, Lebanon

**Dates** May 2008  
**Workshop/Training title** Core Foundations of Microsoft .NET 2.0 Development  
**Name of organization** New Horizons Computer Learning Centers of Lebanon  
**Address of organization** Beirut, Lebanon

**Dates** March 2008  
**Workshop/Training title** - Core Data Access with Microsoft Visual Studio 2005  
- Advanced Data Access with Microsoft Visual Studio 2005  
**Name of organization** New Horizons Computer Learning Centers of Lebanon  
**Address of organization** Beirut, Lebanon

**Dates** November 2007  
**Workshop/Training title** - Advanced Windows Applications Development with Visual Studio 2005  
- Core Windows Forms Technologies with Microsoft Visual Studio 2005  
- Programming with Visual Basic .NET  
**Name of organization** New Horizons Computer Learning Centers of Lebanon  
**Address of organization** Beirut, Lebanon

### 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. <https://doi.org/10.3390/engproc2022018024>
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. <https://doi.org/10.3390/engproc2022018028>
5. Azar, J., Al Saleh, M., Couturier, R., Noura, H. 2025. "Text Mining and Unsupervised Deep Learning for Intrusion Detection in Smart-Grid Communication Networks" IoT 2025, 6, 22. <https://doi.org/10.3390/iot6020022>

## Personal Skills and Competences

<b>Language skills</b>	English (Fluent) Arabic (native)
<b>Social skills and competences</b>	Team spirit Good ability to adapt to multicultural environments Good communication skills Flexibility
<b>Organizational skills</b>	Leadership High sense of organization, methodical Good experience in project management and communication
<b>Other skills and competences</b>	Basketball, Playing Piano

## References

**Prof. Bilal Nsouli**

National Focal Point for CBRN Risk Mitigation Programs / Director General (Lebanese Atomic Energy Commission)

CNRS – Lebanon

Grand Serail, Beirut – Lebanon

Email: [bnsouli@pcm.gov.lb](mailto:bnsouli@pcm.gov.lb)

**Prof. Beatrice Finance**

Maître de conférences

Versailles Saint-Quentin en Yvelines University (UVSQ)

Paris – France

Email: [beatrice.finance@uvsq.fr](mailto:beatrice.finance@uvsq.fr)

**Prof. Yehia Taher**

Maître de conférences

Versailles Saint-Quentin en Yvelines University (UVSQ)

Paris – France

Email: [yehia.taher@uvsq.fr](mailto:yehia.taher@uvsq.fr)