

May A. Itani

Personal Information

Name: May A. Itani
Marital Status: Married
Address : Ras-Beirut, Hamra, Labban Street, Aida Building, 7th floor
Telephone: 70/949133
Edu mail: ma.itani@bau.edu.lb
Personal email: mayitani78@gmail.com



Academic Qualifications

#October 2011- June 2017: PhD Degree in Computer Science, **Beirut Arab University**
October 2001 – February 2004: Master Degree in Computer and Communications Engineering, **American University of Beirut**
October 1995 – June 1999: Bachelor Degree in Electrical Engineering, **American University of Beirut**
#June 1995: Lebanese Bac II – Math.

Academic Awards

Recipient of the “Charli Kurban **Award in Recognition of Outstanding Academic Record**” during graduate study at AUB.
Placement on the Dean’s Honor List during undergraduate study.

Work Experience

#Fall 2020 – Present: **Assistant Professor at Beirut Arab University**, Computer Science Department
#Fall 2019: **Part time Instructor** at the **American University of Beirut**, Electrical and Computer Engineering Department.
#Fall 2012 – Fall 2018: **Part time** Faculty at **Lebanese American University**, Computer Science Department.
#Fall 2002 – Fall 2018: **Part time** Faculty at **Arts, Sciences & Technology University** in Lebanon
September 1999 – Fall 2011: **Part time** Instructor at **Beirut Arab University**. Teaching labs and problem solving tutorial sessions. Faculties of Science and Engineering.

Taught the following Courses

- Numerical Computing with Matlab
- Operations Research
- Artificial Intelligence
- Introduction to programming using Java/C++
- Data Structures (C++)
- Object Oriented programming

- Analog Electronics lab
- Computer organization and Assembly language
- Discrete Structures
- Digital Systems Design with Verilog programming
- Computer Organization & Architecture
- Operating Systems
- Theory of computation
- Computer Networks

September 2002 – February 2004: Graduate assistant at the American University of Beirut. **Research and lab assistance work.** Courses: Analog Control Lab, Computer Graphics.

June 1998 – September 1998: Training Experience in the Electrical department – Khatib and Alami Consulting Company.

Kind of work: Lighting design, power calculations, load estimation,...

Skills

Computer Skills

Microsoft Windows-Microsoft Word-Excel- powerpoint

Computer Languages: C, C++, Java, Assembly & Verilog, Matlab

Language Skills

English & Arabic: Excellent read, written and spoken

Teaching Skills

Have been teaching at undergraduate university level for more than **twenty** years. This included teaching courses independently, teaching coordinated courses and giving labs.

Research Work / Publications

- Doctoral Dissertation Entitled: "Distributed Data Storage Optimization using Erasure Coding "
- Masters Thesis Entitled "Cryptographic Algorithms on a Reconfigurable Computer System_MorphoSys_Algorithm Mapping and Performance Behavior".

Interested in the following Topics

- Mathematical Modeling
- Heuristic Optimization
- Future Wireless Networks
- Fault Tolerance / Failure Recovery
- Parallel processing (FPGA)s

List of Published Papers:

- Itani, M., Basheer, H. and Eddine, F., 2023, July. Attack Detection in IoT-Based Healthcare Networks Using Hybrid Federated Learning. In 2023 International Conference on Smart Applications, Communications and Networking (SmartNets) (pp. 1-7). IEEE.
- Naous T, Itani M, Awad M, Sharafeddine S. Reinforcement learning in the sky: A survey on enabling intelligence in ntn-based communications. IEEE Access. 2023 Jan 13.
- Basheer, H. and Itani, M., 2023. Zero touch in fog, IoT, and manet for enhanced smart city applications: A survey. Future Cities and Environment, 9(1), p.5.
- M Maad, A Owaydate, M Kojok, F Aboudaher, L Abu Daher, M Itani. A tool for aiding people with disability. BAU Journal of Science & Technology, 4 (1), 2022.
- Itani, M., Sharafeddine, S. and ElKabani, I., 2018. Dynamic multiple node failure recovery in distributed storage systems. Ad Hoc Networks, 72, pp.1-13.
- Itani, M., Sharafeddine, S. and Elkabani, I., 2017. Dynamic single node failure recovery in distributed storage systems. Computer Networks, 113, pp.84-93.
- Itani M., Sharafeddine, S. and Elkabbani, I., 2016, March. Practical single node failure recovery using fractional repetition codes in data centers. In 2016 IEEE 30th International Conference on Advanced Information Networking and Applications (AINA) (pp. 762-768). IEEE.
- Itani, M., Sharafeddine, S. and Elkabbani, I., 2016, March. Practical single node failure recovery using fractional repetition codes in data centers. In 2016 IEEE 30th International Conference on Advanced Information Networking and Applications (AINA) (pp. 762-768). IEEE.
- Damaj, I.W., Itani, M. and Diab, H.B., 2006, March. Serpent Cryptography on Static and Dynamic Reconfigurable Hardware. In AICCSA (pp. 680-684).
- Itani, M. and Diab, H., 2004, July. Reconfigurable computing for RC6 cryptography. In The IEEE/ACS International Conference on Pervasive Services, 2004. ICPS 2004. Proceedings. (pp. 121-127). IEEE.
- Diab, H.B. and Itani, M.A., 2004. Mars cryptography on dynamic reconfigurable systems. Proceedings of the International Conference on Applied Simulation and Modelling; June 2004; Rhodes; Pages:(433-438).
- Itani, M. and Diab, H., 2004. Serpent Cryptography on Reconfigurable Hardware. International Conference on Current Issues in Business and Information Technology, Haigazian University, Beirut, Lebanon, May 2004.

References

Dr Islam El Kabani, Assistant professor, Alexandria University (Previously Beirut Arab University), email: elkabani@gmail.com

Dr. Sanaa Sharafeddine, Professor, Lebanese American University, email: sanaa.sharafeddine@lau.edu.lb

Dr. Lama Hamandi, Associate Teaching Professor at Northeastern University, United States, email: l.hamandi@northeastern.edu