



Curriculum Vitae of a faculty member

1. Personal information

Name	Shawkat Sabah Khairullah
Academic Degree	Doctor of Philosophy, Ph.D.
Job Title	Lecturer
General Major	Computer Engineering
Mobil No.	
Email address	Shawkat.sabah@uomosul.edu.iq
Website	

2. Qualifications

Degree	Date of Graduation	Name of university	Country	Major
Doctorate	2018	Virginia Commonwealth University	US	Computer Engineering
Master	2011	University of Mosul	Iraq	Computer Engineering
Bachelor	2006	University of Mosul	Iraq	Computer Engineering

3. Experiences

Employment	Job Title	Period
University of Mosul/ College of Engineering	Engineer Assistant	11/2006 – 4/2011
University of Mosul/ College of Engineering	Lecturer Assistant	4/2011 – 7/2013

Virginia Commonwealth University	Doctorate Research/Teaching Assistant	8/2015 – 12/2018
University of Mosul/ College of Engineering	Lecturer Assistant	1/2019 – 5/2019
University of Mosul/ College of Engineering/ Computer Department	Lecturer	5/2019 – Present
University of Mosul/ College of Engineering	Administrator of Courses Unit	10/2020 - Present

4. Researches & Scientific activities

1	“A Bio-Inspired, Self-Healing, Resilient Architecture for Digital Instrumentation and Control Systems and Embedded Devices” – Technical Journal of Nuclear Technology: vol. 202, no. 2-3, pp. 141-152, Jun. 2018.
2	“Toward Biologically Inspired Self-Healing Digital Embedded Devices: BIO-SymPLe” – Proceedings of the ANS NPIC & HMIT Conference, Technical Conference Paper, June 2017.
3	Lessons and Experiences Learned Applying Model Based Engineering to Safety Critical FPGA Designs.
4	Making Digital Embedded Devices Fault Tolerant and More Reliable
5	Dissertation Title: “Toward Biologically-Inspired Self-Healing, Resilient Architectures for Digital Instrumentation and Control Systems and Embedded Devices”.
6	Thesis Title: “FPGA Implementation of an Intelligent Controller for Mobile Robot”.
7	Research Project Title: “Design and implementation of a digital filtering system using the Texas Instruments TMS320C50 Digital Signal Processor”.
8	"Self-repairing hardware architecture for safety-critical cyber-physical-systems," in <i>IET Cyber-Physical Systems: Theory & Applications</i> , vol. 5, no. 1, pp. 92-99, 3 2020.
9	“Reliability and Safety Modeling of a Digital Feed Water Control System”.

Books

5. Scientific Conferences

	Conference Name	Date
1	10th International Topical Meeting on Nuclear Plant Instrumentation, Control, and Human Machine Interface Technologies. ANS NPIC & HMIT 2017 Conference. San Francisco, CA.	June 11-15, 2017
2	The 44th Annual Conference of the IEEE Industrial Electronics Society: The IECON 2018. Washington D.C.	October 21-23, 2018
3	11th International Workshop on the Application of Field Programmable Gate Arrays in in Nuclear Power Plants. Dallas, Texas.	October 8-11, 2018
4	The 1st International Conference held by University of Al- Hamdania. The Lebanese French University LFU, Erbil.	November 20-21, 2019

6. Training courses for faculty members.

	Training program name	Date
1	Teaching Methods Course. University of Mosul.	2011
2	ISO/IEC 17025/2005 Certification.	2012
3	CCNA 1/Cisco – Networking Basics Certification.	2007
4	ANS Certification – Helping Deliver on the Nuclear Promise: A Digital I&C Licensing and Qualification Workshop.	June 10-11, 2017

- **Master's and Doctoral theses which he supervised**

	Researcher name	Thesis title	Reg. date
1	Farah Natiq Yaseen	<i>Realization of Dependable Digital Systems for Safety-Critical Computer Systems using FPGAs</i>	Oct 2020
2			

- **Theses which he discussed**

	Researcher name	Thesis title	date
1			
2			