

Dr. Ashraf SUYYAGH

PERSONAL DATA

DATE OF BIRTH: 31st May 1985
CITIZENSHIP: Jordanian, Canadian
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UNIVERSITY PAGE: [UJ Page](#)

EDUCATION

JAN 2019	PhD degree in ELECTRICAL AND COMPUTER ENGINEERING, McGill University , Montreal, QC, Canada Thesis: <i>Towards Energy-Efficient Real-Time Computing in Embedded Systems</i> Advisor: Prof. Zeljko ZILIC, GPA: 4.0/4.0
AUG 2011	MSc degree in COMPUTER ENGINEERING, University of Jordan , Amman Thesis: <i>"Investigating Synthesis of Efficient Handwritten Arabic Word Recognition Engines on FPGAs"</i> Advisor: Prof. Gheith ABANDAH GPA: 3.69/4.0, Top Graduate
AUG 2007	Undergraduate Degree in Computer Engineering, University of Jordan , Amman GPA: 3.83/4.0, 3rd Top graduate of a class of 83
AUG 2003	Franciscan Sisters School , Amman, Jordan National General Secondary Examination Certificate (Scientific Stream) GPA: 95.7%, 98.81% percentile ($\approx$ 30,000 nation-wide students)

ACADEMIC EXPERIENCE

MAR 2019 PRESENT	Assistant Professor at the University of Jordan, Amman <i>Department of Computer Engineering - School of Engineering</i> I have taught the following undergraduate courses: • EE232: Microprocessor Systems Design • CPE432: Computer Architecture and Organisation II • CPE333: Embedded Systems • CPE334: Embedded Systems Lab • CPE231: Digital Logic Design • CPE533: Real-Time Computer Control Systems (Old Syllabus) • CPE433: Computer-Controlled Systems • CPE313: Practical Numerical Analysis • CPE311: Computer Applications Lab (Python Programming) • CPE101: Computer Skills for Engineers (C++ Programming)
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	Member of several university, school, and department-level committees and projects, and national competitions: • Committee Member for establishing the Semiconductors Fab at UJ • Committee Member for establishing the Joint Ph.D Program in Computer Engineering between University of Jordan and University of Nebraska • Committee Member for establishing the B.Sc program in Smart Semiconductors at UJ • Committee Member for establishing the B.Sc program in Embedded Systems at UJ • Assistant Dean for Computer Affairs (Sep. 2022 - Sep. 2024) • Organising Committee Member of the Jordanian Semiconductor competition (JoSDc'23) • Technical Committee Member of the Jordanian Semiconductor competition (JoSDc'23 and JoSDC'24) • DigiLead Project (since 2023) • Career Day 2023 Organising Committee (2023) • DeCAIR Erasmus+ Project (since 2022) • Study Plan and Course Equivalency Committee (since 2023) • Appointment and Scholarship Committee (since 2022) • Accreditation Committee (ABET) (since 2019) • Graduation projects Committee (2019 - 2023) • Computer Engineering Dept. Various Tenders and Technical Committees (2019 - Present)
MAR 2016 JUN 2016	Part-Time Instructor at Vanier College, Montreal, Canada <i>Programming II - VA-420</i> Course introduces principles of Object Oriented Programming using Java: Classes, Inheritance, Interfaces, and Polymorphism. The course also covers an introduction to recursion and GUI components
JAN 2012 MAY 2016	Head Teaching Assistant at McGill University, Montreal, Canada <i>Microprocessor Systems - ECE426</i> Course introduces advanced principles of embedded and microprocessors systems design based on ARM Cortex-M4f processor. The course involves advanced topics on assembly/C programming, sensor fusion and integration, DSP and Real-Time Operating Systems (RTOS).
MAY 2012 DEC 2015	Co-Instructor, MCGILL, Montreal, Canada <i>Academic and Industrial technical workshops</i> Developed training material and co-instructed workshops (lab part) for academia and industry on the principles of microprocessors and embedded system design. The workshops are based on Cortex-M processors family, inertial MEMS sensors, and Real-Time Operating Systems (RTOS)
DEC 2007 DEC 2011	Full-time Teaching Assistant at UNIVERSITY OF JORDAN, Amman My responsibilities included tutoring, demoing, writing experiments, examining and grading students.
JUN - AUG 2007	Summer Intern at FASTLINK (NOW ZAIN COMMUNICATIONS), Jordan <i>IT Department - Network Division and End User Support (EUS)</i> Configuring and troubleshooting of Cisco routers and switches, medium scale software deployment and troubleshooting

AWARDS, SCHOLARSHIPS, AND RECOGNITION

JUL 2026	National Technology Parade 2026 Graduation Project Prize (3rd Place) with Saleh Ghobari and Omar Sweiss
APR 2015	Natural Sciences and Engineering Research Council (NSERC) of Canada Merit-Based Funding
JAN 2014	McGill's Graduate Excellence Fellowship Award (GEF)
JAN 2013	McGill's Graduate Excellence Fellowship Award (GEF)
JAN 2012	McGill's MEDA Award
DEC 2011	University of Jordan Scholarship to pursue PhD studies
SEP 2009	University of Jordan Scholarship to pursue MSc studies
OCT 2008	Middle East Technology Show (METS) 2008 Graduation Projects Contest, First Rank
SEP 2003	Jordanian Ministry of Higher Education Scholarship to pursue my BSc studies

LANGUAGES

ENGLISH:	Fluent
FRENCH:	Intermediate Knowledge
ARABIC:	Mothertongue

LANGUAGE CERTIFICATES

AUG 2025	UJ Cambridge English Fluency Test (50/50)
JUN 2013	IELTS (8.5/9)
JAN 2013	Test de Connaissance du Français pour le Quebec (TCFQ), Level B1
OCT 2010	Graduate Record Examination (GRE) QUANTITATIVE: (760/800) VERBAL: (500/800)
OCT 2010	Test of English as a Foreign Language (ToEFL) 107/120
AUG 2001	DELTA (Diplôme d'Études en Langue Française) A1 and A2.

PROFESSIONAL AFFILIATIONS

IEEE:	Institute of Electrical and Electronic Engineers
JEA:	Jordan Engineers Association

COMPUTER AND ENGINEERING SKILLS

Very Good Knowledge:	C/C++, JAVA, MATLAB
Good Knowledge:	VERILOG, FPGAs, PYTHON LINUX, BASH SCRIPTING, ASSEMBLY: ARM, PIC, x86, GIT, DOXYGEN, SYSTEMC, L ^A T _E X
Basic Knowledge:	VBA, OPENMP, CUDA, MAKEFILES, ROS
Specialised Software:	ECLIPSE, KEIL uVISION, MPLAB, ALTERA QUARTUS, XILINX ISE, MATLAB, VMWARE, MS OFFICE

ACADEMIC ACTIVITIES

IEEE University of Jordan Student Branch Counselor since Sep. 2025

Reviewer for the following Journals or Organisations:

- SPRINGER NATURE - Scientific Reports (2026)
- SPRINGER NATURE - Discover Artificial Intelligence (2026)
- SPRINGER NATURE - Discover Applied Sciences (2026)

- SPRINGER NATURE - Journal of Supercomputing (2026,2025,2024,2023)
- SPRINGER NATURE - Natural Language Processing (2026,2025,2024,2023)
- Jordanian Journal of Computers and Information Technology (JJCIT) - (since 2021)
- Journal of Healthcare Engineering (2022)
- MITACS CANADA (2022)
- IEEE ACCESS (2020)
- CIT. Journal of Computing and Information Technology (2018)

Reviewer for the following Conferences:

- IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies AEECT 2026
- Jordan International Joint Conference on Electrical Engineering and Information Technology (JJEEIT) (2023, 2021, 2019)

Reviewer for the following Events:

- Jordan Engineers Association Graduation Projects Awards (2026, 2025)
- IEEE Jordan Student Paper Contest 2025
- National Technology Parade (2026, 2025, 2024)
- Jordan Semiconductor Design Competition (2026, 2025, 2024)

LIST OF WORKSHOPS THAT I INSTRUCTED

APRIL 2023	<i>Introduction to ARM Processors - Architecture and Programming, University of Nicosia, Cyprus</i>
DEC 2015	<i>ISS Sensor System Integration, McGill University</i>
MAY 2015	<i>ISS Sensor System Integration, McGill University</i>
JUN 2015	<i>Modern Embedded Systems with ARM Cores, customised for the Department of Mechanical Engineering, McGill University</i>
MAY 2014	<i>ISS Sensor System Integration, McGill University</i>
NOV 2014	McGill's Office of Continuing Studies, Courses offered to satisfy OIQ (Ordre des Ingénieurs du Québec) requirements for professional engineers
NOV 2013	<i>Modern Embedded Systems with ARM Cores</i>
SEP 2013	<i>Methodologies and Tools for Embedded Multisensory Systems Based on ARM Cortex-M Processors</i>
	Embedded Systems Week, Montreal, QC, Canada
MAY 2013	<i>Modern Embedded Systems with ARM Cores</i>
MAY 2013	Integrated Sensor Systems Training program, McGill University
MAR 2013	<i>Modern Embedded Systems with ARM Cores</i>
MAR 2013	<i>Methodologies and Tools for Productive Multi-sensory System Design</i>
	CMC Days, Montreal, QC, Canada
MAY 2012	<i>Sensor Integration Using ST Microelectronics' iNEMO and ARM</i>
	CMC Week, Montreal, QC, Canada

LIST OF TECHNICAL WORKSHOPS AND SEMINARS THAT I ATTENDED

Jan 2024	MathWorks Course on Optimisation using MATLAB
Jan 2024	MathWorks Course on Curve Fitting using MATLAB
Jun 2023	Advanced Robotics
Mar 2023	Fuzzy Logic and Fuzzy Control
Mar 2023	Computational Intelligence
Feb 2023	Fundamentals of Robotics
Oct 2022	Control Systems and Robotics - University of Stuttgart
Jul 2022	Deep Learning - University of Genoa
Jul 2022	Computer Vision - University of Genoa
May 2022	Advanced Data Science - University of Granada
Mar 2022	Introduction To Data Science - University of Granada
Feb 2022	Introduction To Machine Learning - University of Granada
Dec 2021	Robotic Operating Systems (ROS) - University of Pisa
Dec 2018	Enhancing the User Experience with TouchGFX Advanced Graphics on the STM32 Workshop
May 2018	Explore the New STM32 Motor Control SDK v5.0 Workshop
Jul 2017	STM32L4 Discovery kit IoT node Hands-On Seminar
Jun 2014	STM32 Cortex-M4 Low Power DSP Workshop
Jun 2014	Development with Altera Nios II Workshop
Jun 2013	STM32F429 Seminar: High-performance Cortex-M4 MCU
Jun 2013	Kick Start to the ARM Cortex Processor Family Workshop
May 2013	DSP Design Using System Generator, Xilinx Customer Education
Aug 2009	Cisco Certified Network Associate (CCNA) Instructor Certificate

LIST OF ACADEMIC WORKSHOPS AND SEMINARS THAT I ATTENDED

Jun 2026	Trademarks & Brands
Jan 2026	From Research Idea to Protected Invention
Jan 2026	Toward an Effective Social Climate in the Classroom: Positive Interaction Between Students and Faculty – Skills and Competencies”
Apr 2025	Effective Use of Smart Classrooms
Dec 2024	Hands-on AI: from zero to hero using MATLAB
Oct 2024	MathWorks Webinar: New tools and resources available in MATLAB
Jan 2024	Scientific Citations for Faculty and Graduate Students
Nov 2020	Using Moodle Platform (LMSystem/JUexams) for Online Exams
Apr 2020	Using MS Teams and MS Forms for Online Exams
Sep 2019	New Faculty Training and Development
Aug 2019	Supervision Of Postgraduate Students
Aug 2019	Project-Based Learning
Jul 2019	Using MCQs to Test Higher Order Thinking Skill

PUBLICATIONS

For a complete and most recent listing of my publications, kindly visit [Ashraf Suyyagh's Google Scholar Profile](#)

PERSONAL INTERESTS AND ACTIVITIES

British and Russian Literature, European History, Ancient History, Western Philosophy, Western Classical Music, Byzantine Chants and Icons