

Salaheddin J. Juneidi

Associate Professor

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Education

Fellowship: Columbia University, New York, United States of America, Education Methods using Technology for Technical and Engineering students and sessions February 2012 .

Philosophy Doctorate (PhD) in Engineering (Software Engineering): Smart Electrical systems University of Aegean, Samos, Greece: Software Engineering, October 2005,

College of Communication and Information Systems Engineering, Software Engineering Methodologies and Tools, with “Excellent” PhD committee judgment,

Masters in Computer programming and Engineering design: Fairleigh Dickinson University, Teaneck Hackensack, New Jersey, USA, Excellent average, October 1995, college of computer Engineering.

Bachelor of Computer Technology and Engineering: Alquds University, Jerusalem (Alquds), Abu Dies, West Bank: Palestine, Very good average, February 1992, College of Engineering and Technology.

Computing Proficiency

Computing Systems and Architectures: practical experience in different kinds of computer hardware and operating systems like, Windows, OS/2, UNIX, Linux.

Databases: wide variety of relational database management systems, in terms of design and interface phases. Oracle 10g 9i developer, Access and FoxBASE+. My SQL, Apache

Computing languages: Programming proficiency in C++, Java J2EE, Pascal, Visual Basic, Assembly in various processor. Python

Internet Programming : Web design and interface, using html, XML, Java Script, ASP and PHP servers.

Computer Applications : statistical and survey SPSS, Mat lab ,Microsoft Office Package, graphics and design AutoCAD.

Achievements and Rewards

Keynote Speaker IEEE : NOOR 2017 Tunis, and PTUK- Aroub , main speaker about Technical Education and Integration to higher education system , to solve unemployment problem among university graduates.

Invited Speaker: Arab ICT FORUM 2014 Bahrain , Arab Engineering Union for Information and Communication Technology, speaking about my Theory ARL application view

Fellowship in U.S.A: for the year 2010/2012 , Methods in Technology in Teaching Research and Teaching Fellow , Columbia University , New York , United States of America, joined research in "Using Technology in Education".

Best Teacher Reward: 2008 From Palestine technical colleges / Ministry of Higher Education

AAAI Award (November 2005): American Association for Artificial Intelligence (AAAI) one of the most prominent research institutions rewarded me for presenting the new theory (ARL) in Virginia, USA.

Session chair IASTED (February, 2004): IASTED international conference, chairing “Software Methodologies and Tools” and “Software Analysis, Design and Development“, Innsbruck, Austria,

IKY scholarship (March 2002- October 2005): Greek State Scholarship Foundations funded a scholarship to conduct and to pursue my research in the University of Aegean, Samos, Greece.

E-learning System Design: As part of my research activities, I designed e-learning system using intelligent agents.

Membership

- **Research gate :** www.researchgate.net.
- **Agent link :** Leading European computing and software engineering organization (www.agentlink.org)
- **ACM:** Association for Computing Machinery (www.acm.org)
- **AAAI:** American Association for Artificial Intelligence (www.aaai.org)
- **FIPA:** Foundation of Interactive Physical Agent (www.fipa.com)

Activities and experience



Photovoltaic Renewable Energy: Workshop in Photovoltaic Renewable Energy , installing and testing on-grid and off-grid

Solar System and Wind renewable Energy : Minister of higher Education , Palestine corporation with Arizona university , United States , course study (120 hours) of collecting and storing Electrical Energy

Judge and Referee : Arab Technology Business Plan Competition 2013, ASTF Arab Science and Technology Foundation (www.astf.net) , Sharjah, UAE , the competition held yearly for graduate students in teams from various Arab countries to propose new ideas and projects on the effective usage of technology in real life project.

Reviewer and evaluator: Consultant in AQAC (www.aqac.mohe.gov.ps) Palestine since 2009 , this consulting main tasks are to review and to evaluate academic programs proposed by Palestinian colleges and universities for accreditation, taking in consideration academic staff background and experiences , labs and classes infrastructure, and courses organization and relevance , since that time I have reviewed and evaluated five programs in five different universities.

Program Committee: Palestinian International Conference in computing and Information Technology 2009 (<http://piccit.ppu.edu/>)

Curriculum development: Computing and computer theory are developing under constant and continuous bases, computer related courses must be evolve in contents concurrently with the modern computing theory and application. As a member of curriculum development committee, we developed computer related courses to reflect the real life application of computing. Some of developed courses are Software Engineering, Visual Databases Design and Modern Programming languages using Java Language, and Internet programming using ASP.NET.

Paper reviewer and referee: As part of my research activities, I am a registered reviewer for international conferences and journals concerning with Software Engineering and Agent Technology , as well as Agent Oriented Software Engineering

Supervising Masters Theses: supervise and referee of post graduate theses at Alquds University, the subjects of my interests in supervising are Agent Technology and Modern Software Engineering.

Programming contest coaching: Forming first team in 2002 to annually coaching and training teams of students to go for ACM regional programming contests in Egypt.

Projects

Project name	Sponsored	Period	Budget	Description
Work Base Learning WBL “Smart Systems programming and Repair”	BTCA	2016-2017	30 000 Euro	Project is based on the idea of connecting job market opportunities with university curriculums and let students spend some of their studying period time in real job market.
Technology Education Developments	World Bank	2009 - 2012	400 000 USD	Developing technology Education in terms of technical tools and resources, culture in academia , and curriculums
Media Technology Development	World Bank	2007 - 2009	160 000 USD	Developing curriculum and Purchasing equipment for An advanced media technology and multi media department and training staff.

Working Experience

Assistant Professor (1996- Present), Palestine Technical University - Khadoori / Aroub. My main work is teaching undergraduate and post graduate students in computer science and Engineering departments. Educational Technology Department. Developing curriculum concerning the courses of the departments, instructing students in some courses using technological and teaching modules. The courses that I’m concerning of the most are: Smart

Systems, Modern Software Engineering, Object Oriented Programming, Visual Programming, Intelligent Agent Technology, and Visual Databases

Tutor and teaching assistant (1993 -1995): Fairleigh Dickinson University , Madison , New Jersey, USA. Operating FDU computer labs and LAN, WAN networks , assist students by tutoring sessions for computer related courses .

Software developer (1993 -1995): Enviroplan software association, Roseland, New Jersey, USA, developing a computer machine system and interface to check the air pollution of the gases going out from different industrial plants and factories.

Research Fellow (Research assistantship) (2002-2005): University of Aegean , Samos, Greece and United Europe , carry out a funded research in the department Information and Communication system engineering, during this period I have presented some papers in EU countries like Germany, Austria , Portugal and Greece , and I have involved in some conferences organization process.

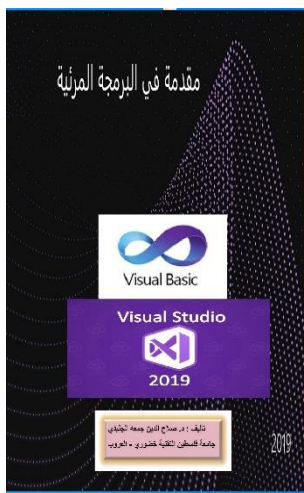
Selected Publications

Salaheddin Juneidi

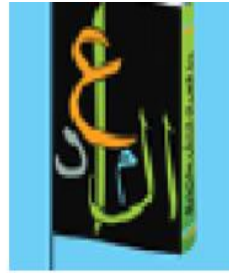
ORCID iD

<https://orcid.org/0000-0002-1983-5484>

1. Books



Introduction to Visual Programming Bilingual : Arabic and English



AIMMAD
Publisher
2018

Smart Agent Software Engineering: ARL Theory

2. Journals

- 1- Salaheddin Juneidi ,Smart greenhouses using internet of things: case study, nternational Journal on Smart Sensing and Intelligent Systems2022-01-01 | Journal article DOI: [10.2478/ijssis-2022-0019](https://doi.org/10.2478/ijssis-2022-0019) Part of ISSN: [1178-5608](https://doi.org/10.1178-5608)
- 2- Juneidi, S.J. From engineering to programming: Smart multi-agent application using ARL International Journal of Advanced Science and Technology, 2020, 29(5), pp. 2700–2716
- 3- Juneidi, S.J. Autonomous data centers adc: Using agent role locking theory (arl)International Journal of Advanced Trends in Computer Science and Engineering, 2020, 9(4), pp. 5343–5354
- 4- Juneidi, S.J. Covid-19 Tracing Contacts Apps: Technical and Privacy Issues International Journal of Advances in Soft Computing and its Applications, 2020, 12(3), pp. 25–44
- 5- Salaheddin J. Juneidi, Machines' Fault Detection and Tolerance Using Big Data Management International Journal of Engineering Research and Technology. ISSN 0974-3154, Volume 12, Number 10 (2019), pp. 1739-1750, October 2019
- 6- Salaheddin J. Juneidi New Computing Paradigm: Agent Orientated Engineering and Programming ARTICLE in INTERNATIONAL REVIEW ON COMPUTERS AND SOFTWARE 9(6) (I.RE.CO.S.) V9 N6 ISSN : 18280 -6003 , JUNE 2014 , LONDON, UK ,*SCOPUS*

- 7- Salaheddin J. Juneidi . George A. Vouros, Survey & Evaluation of Agent Oriented Software Engineering Modelling and Software Engineering Journal , Vol 30 , 2010 , Iss10.2316/journal .205.2010.1.205.4306 . Calgary , Canada , 2010 online 2015

3. Conferences

- [1] Salaheddin Juneidi , IoT in Palestine : Status and Recommended approaches . Palestine Academy of Science and Technology . Ramallah , 2019
- [2] Salaheddin J. Juneidi, Conference Paper: Agent Role Locking Theory, ARL Arab ICT 2014, BAHRAIN
- [3] Salaheddin J. Juneidi , Differentiation in Technological and technical training , The Palestinian and Finnish conference for training and education , Rammallh , Pelestine , 16-18/12/2008
- [4] Salaheddin J. Juneidi TOWARDS AGENT ORIENTED ENGINEERING AND PROGRAMMING PARADIGMS, The 2nd Palestinian International Conference on Computer and Information Technology (PICCIT 07), Palestine 2007.
- [5] Salaheddin J. Juneidi, Agent Interaction Protocol (AIP) and UML Integration, The 2nd Palestinian International Conference on Computer and Information Technology (PICCIT 07), Palestine 2007.
- [6] Salaheddin J. Juneidi, George A. Vouros "Agent Role Locking (ARL): Theory for Agent Oriented Software Engineering" , IASTED International conference SE November 9-11, 2004, MIT, Cambridge, MA. USA.
- [7] Salaheddin J. Juneidi, George A. Vouros. "Agent Role Locking (ARL): Theory for Multi Agent System with E-Learning Case Study", IADIS International Conference Applied Computing 2005 Algarve, Portugal 22-25 February 2004.
- [8] Salaheddin J. Juneidi, George A. Vouros, Engineering an E-learning application using the ARL Theory for Agent Oriented Software Engineering, 2005 AAAI Fall Symposium November 3-6, 2004, Hyatt Crystal City in Arlington, Virginia, MIT press
- [9] Salaheddin J. Juneidi , Agent Interaction Protocol (AIP) and UML integration, ECM_MAI 2007, iiIssues in Multi-Agent Interaction , ICAI'07, Las Vegas, Nevada, USA (June 25-28,2007).