

Curriculum Vitae

Personal Information

- **Name:** Salah F. Saleh.
- **Date of Birth:** 15 Dec 1973.
- **Place of Birth:** Basrah / IRAQ.
- **Nationality:** Iraqi.
- **Degree:** PhD. in Computer Science.
- **Current Position:** Manager of Computer Center,
University of Basrah



Contact Information

- **Mob.**
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Qualifications

- **September 2016**
PhD. in Computer Science / Robotics,
University of Kaiserslautern, Kaiserslautern, Germany.
Thesis Title: "Perception of Nonverbal Cues for Human-Robot Interaction".
- **November 2009**
CCNA Exploration: Network Fundamental
Cisco Systems, Inc.
- **April 1999**
M.Sc. in Computer Science / Artificial Intelligence – Pattern Recognition,
University of Basrah, Basrah – IRAQ.
Thesis Title: "An-Online Automatic Arabic Document Reader".
- **June 1996**
B.Sc. in Computer Science
University of Basrah, Basrah – IRAQ.

University Teaching Experiences

- **Lecturer**

Sep. 2004 – Present

Computer Science Department, College of Education, University of Basrah,
Basrah,
IRAQ.

Responsibilities and Duties

1. Instructing the following courses:
 - Data Structure.
 - Computer Architecture.
 - Object-Oriented Programming (Java).
 - Internet Programming (Web Design).
 - Advanced Visual Programming (VB.NET).
 - Software Engineering.
 - Digital Logic Design
2. Head Deputy of the Department.
3. Supervising final year students in their graduation projects.
4. Working as a member in the final projects examination committee.

- **Lecturer**

Feb. 2001 – Sep. 2004

Computer Science Department, Faculty of Science, Zarka Private University,
JORDAN.

Email: admin@zpu.edu.jo
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Fax: +962 – 5 – 3821120

Responsibilities and Duties

1. Instructing the following courses:
 - Internet Programming [Summer '04].
 - Neural Networks [Spring '04 and Spring '03].
 - Computer Graphics [Spring '04 and Spring '02].
 - Special Languages in CS I (VB.NET) [Spring '04].
 - Object-Oriented Programming (JAVA) [Fall '03, Spring '03, and Fall '02].
 - Visual Programming Language (VB) [Spring '03 and Fall '03].
 - Algorithms Design and Analysis [Summer '02].
 - Programming II (Advanced C++) [Fall '02, Summer '02, and Spring '02].
 - Programming I (C++) [Spring '03 and Spring '01].
 - Computer Applications and Internet [Spring '01].
 - Computer Skills I [Fall '03, Summer '02, Summer '01, and Spring '01].

2. Working as a member in department committees such as the library committee of the university, committee of the department web site, and developing computer skills committee.
3. Supervising final year students in their graduation projects.
4. Advising students in selecting their courses.
5. Acting as coordinator in multiple section courses.

- **Lecturer**

Sep. 1999 – Aug 2000

Computer Science Department, AL-Rafidain University College,
PO Box 46036,
Baghdad,
IRAQ.

Email: rafidain@uruklink.net
Phone: +964 –1 – 4168291
Fax: +964 – 1 – 4168292

Responsibilities and Duties

1. Instructing the following courses:
 - Introduction to Software Design.
 - Data Structures
2. Supervising final year students in their graduation projects.
3. Working as a member in the final projects examination committee.
4. Working as a member in the college examination committee.

Other Working Experiences

- **Computer Trainer and Programmer (Part-time)**

April 1999 – Sep. 2000

AL-Farah Computer Center,
Baghdad,
IRAQ.

Email: alfarah@uruklink.net
Phone: +964 –1 – 7173801
Fax: +964 – 1 – 7173801

Responsibilities and Duties

1. Instructing some courses in utilizing computer software and programming languages such as (MS Windows, MS Office Suite, C++, Visual Basic, Pascal, and AutoCAD).
2. Computer maintenance.
3. Software systems programming.

• **Computer Trainer and Programmer (Part-time)**

Sep. 1996 – Jan. 1999

AL-Naures Computer Bureau
Basrah,
IRAQ.

Responsibilities and Duties

1. Instructing some courses in utilizing computer software and programming languages such as (Pascal, C++, Assembly Language, and AutoCAD).
2. Computer maintenance.
3. Design of Anti-virus systems, Hardware interfaces, and device drivers.

• **Computer Trainer and Maintenance (part-time)**

June. 1997 – Jan. 1999

Computer Center,
University of Basrah,
Basrah,
IRAQ.

Responsibilities and Duties

1. Instructing different courses: (Information Technology, Programming with C++, and Programming with Pascal).
2. Computer maintenance.
3. Hardware interfaces design.

Training Courses

1. English Scientific Writing – Nov. 2014.
2. CCNA : Network Fundamentals - Nov. 2009.
3. English Course / UNESCO Project - April 2008.
4. Modern Teaching Methodologies – April 2006.
5. Windows 2000 Server and professional - June 2001.
6. New methodologies and trends of teaching operation - March 2001.

Scientific Research Activities

• Publications

1. Zuhair Zafar and Daniel Alejandro Salazar Villarreal and **Salah Al-Darraji** and Djordje Urukalo and Berns Karsten and Aleksandar Rodic, “Human Robot Interaction Using Dynamic Hand Gestures”, in *Advances in Service and Industrial Robotics*, Springer International Publishing, vol. 49, pp. 647-656, 2017, August 24, Cham, Switzerland.
2. Djordje Urukalo, Ljubinko Kevac, Zuhair Zafar, **Salah Al-Darraji**, Aleksandar Rodic, Karsten Berns, “Human Robot Interaction Using Dynamic Hand Gestures”, in *Advances in Service and Industrial Robotics*, Springer International Publishing, vol. 49, pp. 657-664, 2017, August 24, Cham, Switzerland.
3. **Salah Al-Darraji**, Zuhair Zafar, Karsten Berns, Djordje Urukalo, and Aleksandar Rodic, “Human Robot Interaction Using Dynamic Hand Gestures”, in *Advances in Service and Industrial Robotics*, Springer International Publishing, vol. 49, pp. 673-680, 2017, August 24, Cham, Switzerland.
4. **Salah Saleh**, Zuhair Zafar, Manish Sahu, Karsten Berns, Real-time Perception of Nonverbal Human Feedback in a Gaming Scenario, *Proceedings of the 2016 British HCI Conference*, 2016, July 11-15, Bournemouth, UK.
5. **Salah Al-Darraji**, Karsten Berns, Aleksandar Rodic, “Action Unit Based Facial Expression Recognition Using Deep Learning”, in *Advances in Robot Design and Intelligent Control*, Springer International Publishing, vol. 540, pp. 413-420, 2016, Cham, Switzerland.
6. Aleksandar Rodic, Djordje Urukalo, Milica Vujovic, Sofija Spasojevic, Marija Tomic, Karsten Berns, **Salah Al-Darraji**, Zuhair Zafar, “Embodiment of Human Personality with EI-Robots by Mapping Behaviour Traits from Live-Model”, in *Advances in Robot Design and Intelligent Control*, Springer International Publishing, vol. 540, pp. 437-448, 2016, Cham, Switzerland.
7. **Salah Saleh**, Zuhair Zafar, Manish Sahu, Karsten Berns, A Multimodal Nonverbal Human-Robot Communication System, *Proceedings of the 6th International Conference on Computational Engineering*, 2015, September 14-16, Barcelona, Spain.
8. **Salah Saleh** and Karsten Berns, Nonverbal Communication With a Humanoid Robot Via Head Gestures, *PETRA '15: Proceedings of the 8th International Conference on Pervasive Technologies Related to Assistive Environments*, ACM, New York, NY, USA, 2015, July 1-3, Corfu, Greece, ISBN 978-1-4503-3452-5/15/07
9. **Salah Saleh**, Anne Kickton, Jochen Hirth, Karsten Berns, Robust Perception of an Interaction Partner Using Depth Information, *Proceeding of the International Conference on Advances in Computer-Human Interactions (ACHI)*, 2013, February 24-March 1, Nice, France.

10. **Salah Saleh**, Anne Kickton, Jochen Hirth, Karsten Berns, Using Depth Information to Perceive an Interaction Partner, Workshop on Human Friendly Robotics, 2012, October 18-19, Brussels, Belgium.
11. **Salah Saleh**, Face Detection and Tracking Using RGB and Depth Information, 2012, April, Technical report, unpublished.
12. **Salah F. Saleh** and Ali A. Yassin, "Underwater IMAGE Enhancement Using Wavelet", Proceedings of IEEE Conference, Iraq Section, May 2009.
13. **Salah F. Saleh**, "Arabic Character Recognition Using Neural Networks", WSEAS Transactions on Systems, Issue 2, Vol.3, pp. 497-500, Italy, 2004.
14. **Salah F. Saleh**, Mikdam A. Alsalami, and Jabbar H. Yousif, "Inquiry Method for Virus Identification", Proceedings of ACIT'2002, Vol. 1, pp. 410-413, Qatar, 2002.
15. Mikdam A. Alsalami and **Salah F. Saleh**, "Genetic-Based Number Recognition System", Proceedings of ACIT'2002, Vol. 1, pp. 51-53, Qatar, 2002.
16. **Salah F. Saleh** and Sabah A. Ali, "Segmentation Method for Arabic Characters", AlRafidain University College Journal, 2001.
17. **Salah F. Saleh** and Sabah A. Ali, "Recognition of Isolated Arabic Characters", Basrah Journal Science, 2001.
18. Mikdam A. Alsalami, **Salah F. Saleh** and Sabah A. Ali, "General Virus Detector and Deactivator", Proceedings of AlHadbaa Uni. Col. Conf. , Iraq, 2000.

- **Seminars**

1. Perception of Nonverbal Cues for Human-Robot Interaction, 2016.
2. Real-time Perception of Nonverbal Human Feedback in a Gaming Scenario, 2016.
3. Action Unit Based Facial Expression Recognition Using Deep Learning, 2016.
4. A Multimodal Nonverbal Human-Robot Communication System, 2015.
5. Nonverbal Communication With a Humanoid Robot Via Head Gestures, 2015.
6. Robust Perception of an Interaction Partner Using Depth Information, 2013.
7. Using Depth Information to Perceive an Interaction Partner, 2012.
8. Face Detection and Tracking Using RGB and Depth Information, 2012.
9. Underwater Image Enhancement and Restoration, 2009.
10. Arabic Character Recognition Using Neural Networks, 2004.
11. Genetic-Based Number Recognition System, 2002.
12. Pattern Recognition Methodologies, 2001.
13. Arabic Character Recognition System, 1998.
14. Office Automation: Character Recognition Approach, 1998.

- **Conferences and Workshops**

1. British HCI (Human-Computer Interaction) Conference, UK, 2016.
2. RAAD Conference on Robotics, Serbia, 2016.
3. ICCE Conference, Spain, 2015.
4. PETRA Conference, Greece, 2015.
5. ACHI Conference, France, 2013.
6. Workshop on Human Friendly Robotics, Belgium, 2012.
7. IEEE Conference on Computer Applications, Iraq Section, 2009.
8. WSEAS The international Conference on Neural Networks and Application, 2004.
9. The International Arabic Conference on Information Technology, 2002.