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Curriculum Vitae

Assistant Professor
Department of Mathematical and Physical Studies
College of Arts and Sciences
University of Nizwa, Sultanate of Oman

Personal Information

Name: Alaa “Mohammed Ali” Wadi Al-Obaidi

Marital Status: Married

Email Address: alaamohammed@unizwa.edu.om

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Academic Qualifications

-PhD Computer Science, Faculty of Computer Science and Information Technology, University of Malaya, Kuala Lumpur, Malaysia “An Approach to Modelling and Simulating Multithreaded Schedulers for Divide and Conquer Problems on Multicore Architecture”.

-M.Sc Computer Science, Basrah University, Iraq. “A Software Tool for Designing Systolic Arrays”

-B.Sc Computer Science, Basrah University, Iraq.

Teaching Activities

1-Introduction to Algorithm and Programming using C Language.

2-Object Oriented Programming using C++ Language.

3-Data Structure using C++.

4-Algorithm Design & Analysis.

5-Formal Languages, Finite Automata and Computation Theory.

6-Theory of Computation (for Master Program)

7-Compilers Design.

8-Database with SQL.

9-Digital Logic Design.

10-Computer Architecture and Assembly Language.

11-Computer Organization.

12-Software Engineering.

13-Operating Systems.

14-Java Programming Languages.

15-Web Languages: HTML.

16-Computer Skills (University Requirements).

17-Introduction to Computer (for High Diploma Students)

18-Pre-Computing (for the Foundation Year).

19-Pre-Mathematics (for the Foundation Year).

20-ICDL (International Computer Driving License) Courses.

21-IC3 (Internet & Computing Core Certificate) Courses.

Working Experience

-2015 – Now: Assistant Professor at the Computer Science Section, Department of Mathematical and Physical Sciences, College of Arts and Sciences, University of Nizwa, Sultanate of Oman.

-2004 – 2008: A full-time lecture at the Computer Science Section, Department of Mathematical and Physical Sciences, College of Arts and Sciences, University of Nizwa, Sultanate of Oman.

-April-Sep 2004: A full-time lecture at the Higher College of Technology (HCT), Muscat, Sultanate of Oman.

-1997 – 2002: A full-time lecture at the Computer Science Department, College of Information Technology, University of Al al-Bayt, Jordan.

-1996 – 1997: A full-time lecturer at the Computer Department, Shat Al-Arab University College, Basrah, Iraq.

Research Activities

Research Interests

-Developing and modelling algorithms that suit multicore environment.

-Designing and analyzing concurrent models by using colored petri nets.

-Functional languages.

Conference Presentations & Attendance

-Participating Annual College General Workshop, College of Arts and Sciences, University of Nizwa.

Workshop Title: Mass mailing and managing class for online Education, October 2021.

-Participating Annual College General Workshop, College of Arts and Sciences, University of Nizwa.

Workshop Title: Mass mailing and managing class for online Education, October 2020.

- The International Conference on Computer and Communication Engineering (ICCCE 2012), Kuala Lumpur, Malaysia, 2012.

- The 2nd International Conference on Software Engineering and Computer Systems, University Malaysia Pahang, Malaysia, 2011.

Publications

- S. Al Ajmi, K. Hayat, **A. Al Obaidi**, M. Salim, "Voice Mimicry based Audio forensics," Submitted.

- Taiba Al Salmi, Emdad Hossain, Sallam Fageeri and **Alaa Al-Obaidi**, Facial Expression to Analyze Human Mindset. International Journal of Engineering and Information Systems, Vol. 6 Issue 2, February - 2022, pp:49-56.

-**Alaa M. Al-Obaidi** and Lee Sai Peck, "A Concurrent Multi-Stealing Scheduler Model for Divide and Conquer Problems," Malaysian Journal of Computer Science, vol. 25, (4), pp. 177-195, 2012. (ISI/SCOPUS Cited Publication).

-**Alaa M. Al-Obaidi** and Lee Sai Peck, "A Multithreaded Scheduling Model for Solving the Tower Of Hanoi Game in a Multicore Environment," Maejo International Journal of Science and Technology, vol. 6, pp. 282-296, 2012.(ISI/SCOPUS Cited Publication).

-**Alaa M. Al-Obaidi** and Lee Sai Peck, "A Partial Multi Stealing Scheduling Model for Divide and Conquer Problems," in International Conference on Computer and Communication Engineering (ICCCE 2012), Kuala Lumpur, Malaysia, 2012, pp. 153-157. (SCOPUS Cited Publication / IEEE Xplore).

-**Alaa M. Al-Obaidi** and Lee Sai Peck, "A Concurrent Multithreaded Scheduling Model for Solving Fibonacci Series on Multicore Architecture," International Journal of Advancements in Computing Technology, vol. 3, pp. 24 - 37, 2011. (SCOPUS Cited Publication).

-**Alaa M. Al-Obaidi** and Lee Sai Peck, "A Concurrent Colored Petri Nets Model for Solving Binary Search Problem on a Multicore Architecture," in The 2nd International Conference on Software Engineering and Computer Systems, University Malaysia Pahang, Malaysia, 2011. (ISI/SCOPUS Cited Publication).

-**Alaa M. Al-Obaidi** and Lee Sai Peck, "A Proposed Petri Nets Model for Updating XML Documents on a Multicore Architecture,". in the 2009 International Conference on Computer Engineering and Applications (ICCEA 2009). 6- 8, June 2009. Manila Philippine. Volume 21 of the IACSIT Serial Conferences. (indexed by Nielsen, Thomson ISI (ISTP), IACSIT Database, British Library and EI Compendex).

Faculty Administrative Experience

Head/Member of Committees

-Member of Curriculum Committee (Department Level), University of Nizwa.

-Member of College Web Page and Multimedia Committee (College Level),College of Arts and Sciences, University of Nizwa.

-Member of Exam Committee (Department Level), University of Nizwa.

Supervisor / Co-Supervisor of Thesis

-A Co-Supervisor of a master thesis of a MSc student Sahar Abdullah Sulaiman Al-Ajmi. Thesis title: Blind Voice Mimicry Detection for Audio Forensics. University of Nizwa. College of Arts and Sciences, Department of Mathematical and Physical Sciences, March 2022.

Examiner

- An external examiner for a master thesis of a MSc student Taiba Yousef Adeem Al-Salmi. Thesis title: Predicting State of Mind by Using Facial Expression. University of Nizwa. College of Economics, Management & Information Systems, Information System Department, 2022.

- An external examiner for a thesis defense (VIVA). A master student Mr.Alwaleed Suliman Al Abri. Thesis title: The Acceptance of M-learning in Omani Undergraduate students: University of Nizwa Student as Case Study. University of Nizwa. College of Economics, Management & Information Systems, Information System Department, July 2018.

- An external examiner for a master thesis of a MSc student Ms. Afraa Saif Rashid Al Zidi. Thesis title: Smart Solution for Traffic Congestion Caused of Vehicle Accidents by Analyzing Royal Oman Police (ROP) Data using Data-mining (DM). University of Nizwa, College of Economics, Management & Information Systems, Information System Department, April 2018.
- An external examiner for a master thesis of a MSc student Ms. Amal Al Hatali. Thesis title: Factor

Analysis Of Price Variation In Omani Fish Market Using Data Mining. University of Nizwa, College of Economics, Management & Information Systems, Information System Department, March 2018.