



Dr. Alaa Al-Obaidi

Assistant Professor

Mathematical and Physical Sciences - Computer Sciences Section

College of Arts and Sciences

University of Nizwa, Sultanate of Oman

Telephone: (+968)25446200

Extension: 543

eMail: alaamohammed@unizwa.edu.om

Office Location: 11i-20

Time at UoN: Since 2004

Marital Status: Married

He completed the PhD study in Modelling Concurrency at the University of Malaya (Malaysia) in 2015, and he holds a Master Degree in parallel processing from the University of Basrah (1995), and he holds a Bachelor Degree in Computer Science from the University of Basrah (1992). His research interests are in the field of modelling and concurrent programming

[Dr- Alaa Al-Obaidi - UoN CV.pdf](#)

Academic Qualifications

PhD in Computer Science, University of Malaya, 2015

M.Sc in Computer Science, University of Basrah, 1995

B.Sc in Computer Science, University of Basrah, 1992

Teaching Activities

Introduction to Algorithm using C Language.

Object Oriented Programming using C++ Language.

Data Structure using C++.

Algorithm Design & Analysis.

Theory of Computation (for Master Program).

Compilers Design.

Database with SQL.

Digital Logic Design.

Computer Architecture and Assembly Language.

Computer Organization.

Software Engineering.

Operating Systems.

Java Programming Languages.

Web Languages: HTML.

Computer Skills (University Requirements).

Introduction to Computer (for High Diploma Students)

Pre-Computing (for the Foundation Year).

Pre-Mathematics (for the Foundation Year).

ICDL (International Computer Driving License) Courses.

IC3 (Internet & Computing Core Certificate) Courses.

Research Activities

- Research Interests

Modelling Concurrency

- Publications

Article:

1. Al Ajmi, S. A., Hayat, K., Al Obaidi, A. M., Kumar, N., Najim AL-Din, M. S., & Magnier, B. (2024). Faked speech detection with zero prior knowledge. Discover Applied Sciences, 6(6),

2. Taiba Al Salmi, Emdad Hossain, Sallam Fageeri and Alaa Al-Obaidi, "Facial Expression to Analyze Human Mindset," in International Journal of Engineering and Information Systems (IJEAIS), Vol. 6 Issue 2, pp: 49-56, February 2022.
3. 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).
4. 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).
5. 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).
6. 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).
7. 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).
8. 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).

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Ref.: <https://www.unizwa.edu.om/staff/cas/alaamohammed>