



## Dr. Alaa Al-Obaidi

Assistant Professor

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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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