

Curriculum Vitae

Wael Mustafa

Associate Professor
Department of Computer Science
An-Najah National University
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Personal Information

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Home phone: 970-9-2990417 from Arab countries, 972-9-2990417 from other countries

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Birth Date: 5/5/1965

Education

- Ph.D., Computer Science, 1994
University of Houston, Houston, Texas
GPA 3.62/4.0.
- M.S., Computer Science, 1990
University of North Texas, Denton, Texas
GPA 3.8/4.0
- B.S., Computer Science, 1987
 - Yarmouk University, Irbid, JordanGPA 87/100, Obtained the highest standing among 46 graduates

Subjects Able to Teach

Artificial Intelligence, Programming languages Design, Software Engineering, Internet Programming, Database Management Systems, Object-Oriented Programming, Compiler Construction, Operating Systems Design, Data Structures, Algorithms Analysis, Data Compression

Research Interests

Production System Languages Optimization, Metaheuristic Optimization, Graph Theory Algorithms

Programming Languages

Java, Java script, C/C++, Lisp, Prolog, Production System Languages, Pascal, COBOL, Fortran

Hardware

PC, Macintosh, Sun Workstation, VAX main frame

Experience

Faculty member, Fall 1994–Now

Computer Science Dept.

An-Najah National Univ., Nablus, Palestine

- Served as Dean of Faculty of Information Technology January 2006-August 2008. At the time, the college of information technology at An-Najah National University housed 3 departments with 16 full time faculty members educating more than 700 undergraduate students.
- Chaired Computer Science Dept. August 2000-August 2003.
- Taught undergraduate courses in the departments of computer science and computer engineering in the areas: artificial intelligence, programming Languages Design, Software Engineering, Operating Systems, C++, Java, Data Structures, introduction to computers for non majors.
- Supervised student graduation projects.
- Participated in development of curricula for and establishment of faculty of information technology including computer science, computer information systems, and management of information systems BS programs.
- Participated in numerous university committees including e-learning committee, campus computer network committee

Teaching Fellow, 1990–1994

Computer Science Dept., University of Houston, Houston, Texas

- Taught courses in C, COBOL, and Fortran.
- Designed and implemented a database system to manage employees related information at Cannata research center.
- Operated a network of VAX mainframes at Cannata research center.

Teaching Assistant, 1989–1990

Computer Science Dept., University of N. Texas, Denton, Texas

Gave recitations in Word Perfect, Dbase III and Lotus.

Teaching Assistant, Summer 1987

Computer Science Dept., Yarmouk University, Irbid, Jordan

Gave recitations in Basic language.

Workshops

- Training Program on E-learning, the Korea Institute of Electronic Commerce and the Korea International Cooperation Agency of the Republic of Korea, 8-23 July 2007.
- International Strategies in Higher and Further Education The Middle East and the UK, The Hilton Conference Centre, Cairo, 25-27 September 2005.
- UNISCO Sub-Regional Training Workshop in Jordan: Building Interactive Media for Technical Education and Training Using Multimedia Software Tools, Jordan University of Science and Technology, Irbid, Jordan, 16-20 May 1999.

Publications

- Wael Mustafa, Hybridization of particle swarm optimization and simulated annealing for maximum partition problem. *Journal of Mathematical and Computational Science*, vol 11, no 2 (2021), pp. 2058-2074.
- Wael Mustafa, Shrink: An Efficient Construction Algorithm for Minimum Vertex Cover Problem. *Information Sciences Letters*, vol 10, no 2 (May 2021), pp. 255-261.
- Wael Mustafa, "Optimization of Production Systems Using Genetic Algorithms," *International Journal of Computational Intelligence and Applications*, Vol. 3, No. 3, September 2003, pp. 233-248.
- Wael Mustafa, "Improving Performance of Production Systems by Restructuring Facts," *Abhath Al-Yarmouk journal of Natural Sciences and Engineering*, Vol. 11, No. 1A, 2002, pp. 105-120.
- Wael Mustafa, "A Genetic Algorithm to Solve the Maximum Partition Problem," *Pakistan Journal of Applied Sciences*, Vol. 2, No. 1, January 2002, pp. 71-73.
- Wael Mustafa, "Run-time Elimination of Dead-rules in Rule-based Programs," *An-Najah Univ. Journal for Research: Natural Sciences*, Vol. 13, 1999, pp. 37-56.
- Wael Mustafa, Nizar Awartani and Luai Malhis, "An Introduction to Computers Course for Non Majors," *First Conference on Information Technology for Higher Education in Palestine*, Al-Quds University, 1997.
- Wael Mustafa, "Data-flow Analysis of Rule-based Programs," *Ph.D. Thesis*, University of Houston, Houston, Texas, 1994.

References

- Dr. Ahmad Awad, Computer Science Dept., Faculty of Engineering and Information Technology, An-Najah National University. Email: ahmedawad@najah.edu
- Dr. Luai Malhis, Computer Engineering Dept., Faculty of Engineering and Information Technology, An-Najah National University. Email: malhis@najah.edu
- Dr. Amjad Hawash, Computer Science Dept., Faculty of Engineering and Information Technology, An-Najah National University. Email: amjad@najah.edu