
Faculty Vitae

1. Name

Omran Mousa Hammodi

2. Education

BSc, Control and Systems Eng., University of Technology, Iraq, July 1980.

MSc, Computer Engineering, University of Technology, Iraq, April 1984.

PhD, Computer Engineering, University of Hertfordshire, UK, November 2013.

3. Academic experience

UOITC, Lecturer, November 2015 - Present, Full-time.

Iraqi University, Lecturer, November 2016 - February 2017, Part-time

Iraqi University, Lecturer, March-July 2015, Part-time.

Institute of Technology-Baghdad, Assistant lecturer, September 2004 – July 2005, Part-time.

Higher Institute of Comprehensive Occupations, Az-Zawiyah, Libya, Assistant lecturer, September 2001 - August 2003, Full-time

Al-Mustansiriya University, College of Engineering, September 1999 - July 2001, Part-time

Higher Institute of Comprehensive Occupations, Derna, Libya, Assistant lecturer, September 1997 - August 1999, Full-time

Baghdad University, College of Education, Assistant lecturer, September 1995 - July 1997, Part-time

Al-Rafidain University College, Assistant lecturer, September 1994 - July 1996, Full-time

Al-Mustansiriya University, College of Engineering, September 1992 - July 1994, Part-time

Baghdad University, College of Sciences, Assistant lecturer, September 1987 - July 1988, Part-time

4. Non-Academic experience

Ministry of labor, Vocational Training Center, October 2004 - November 2015.

Ministry of Industry, Vocational Training Center, October 1991 - November 1993.

Military Research and Developing Establishment, October 1989 - October 1991.

Scientific Research Council, November 1987 - October 1989.

9. Publications/Presentations

Al-Shamma, O., Ali, R., and Hasan, H., "Programmable Aileron Sizing Algorithm for Use in Preliminary Aircraft Design software", *Journal of Engineering and Applied Sciences*, vol. 13, no. 10, pp. 3458-3462, 2018.

Fadhel, M., Al-Shamaa, O., and Taher, B., "Real-time Detection and Tracking Moving Vehicles for Video Surveillance Systems Using FPGA", *International Journal of Engineering & Technology*, vol. 7, no. 2.31, pp. 117-121, 2018.

Al-Shamma, O., Ali, R., and Hasan, H., "Employing Control Surface Model in Preliminary Aircraft Design software", *International Journal of Engineering & Technology*, vol. 7, no. 2.31, pp. 135-140, 2018.

Al-Shamma, O., Ali, R., and Hasan, H., "An Educational Rudder Sizing Algorithm for Utilizing in Aircraft Design software", *International Journal of applied Engineering Research*, vol. 13, no. 10, pp. 7889-7894, 2018.

Al-Shamma, O., Hasan, H., and Fadhel, M., "*The Impact of Teaching Data Communications and Networking in a Business Informatics Curriculum*", 11th International Conference on Researches in Science, Technology, and Management (RSTM-18), Hyderabad, India, 11th March 2018.

Al-Shamma, O., Ali, R., and Hasan, H., "An Instructive Algorithm for Aircraft Elevator Sizing to be Used in Preliminary Aircraft Design software", *Journal of Applied Engineering Science*, vol. 15, no. 4, pp. 489-494, 2017.

Al-Shamma, O., and Ali, R., "Delivery of Aircraft Design Curriculum through Problem-Based Learning Approach", *International Journal of Research*, vol. 3, no. 4, pp. 109-119, February 2016.

Ali, R., and Al-Shamma, O., "A Comparative Study of Cost Estimation models used for Preliminary Aircraft Design", *Global Journal of Research in Engineering: B Automotive Engineering*, vol. 14, no. 4, pp. 9-18, 2014.

Al-Shamma, O., and Ali, R., "Transport Aircraft Weight Estimation as a Function of Range and Number of Passengers", *International Journal of Research in Aeronautical and Mechanical engineering (IJRAME)*, vol. 2, no. 5, pp. 99-96, May 2014.

Al-Shamma, O., and Ali, R., "*Aircraft Weight Estimation in Interactive Design Process*", 72nd Annual International Conference on Mass Properties, Society of Allied Weight Engineers, St. Louis, Mo, USA, 18-23 May 2013.

Al-Shamma, O., and Ali, R., "*Interactive Aircraft Design for Undergraduate Teaching*", Applied Aerodynamic Conference: Modelling & Simulation in Aerodynamic Design Process, Royal Aeronautical Society, Bristol, UK, 17-19 July 2012.