

MOHAMED K. WATFA, PhD

**Professor, Associate Dean,
Director & CEO**
University of Wollongong, Au
Internet City, KV, Dubai, UAE
Faculty of Engineering & Info. Sciences



Office # : +971 (6) 39-00-609 Au / Dubai, UAE
Cell # : +971 (50) 114-3757
Email : mohamed.Watfa11@gmail.com
: mwatfa@uow.edu.au

ORCID: <https://orcid.org/0000-0002-5092-0580>
G-Scholar: <https://scholar.google.ae/citations?user=Fdw4s64AAAAJ&hl=en>

CITIZENSHIP	United Kingdom (British) / Lebanese
Executive Summary & Career Objective	<ul style="list-style-type: none"> -15+ years' experience in leadership, innovation, management & research -I have served as the CEO of the International school of Innovation, Lebanon since 2015 as well as the Associate Dean of Research in the Faculty of Engineering & Info. Sciences at the University of Wollongong in Dubai, UAE. -I am also the founder of a new USPTO Patent pending revolutionary startup, Tutoritto. <p>I am looking for a new challenge and therefore seeking a senior management role that will allow me to use my creative skills and experience to:</p> <ul style="list-style-type: none"> - lead programs, product management, content, and creation teams in order to develop successful creative strategies. -provide strategic and operational leadership and oversight to ensure successful rollout and adoption of innovative solutions.
Research Experience	<ul style="list-style-type: none"> -Research Excellence Award four times in 2009, 2011, 2013 and 2016. -Author/editor of three published books. -20+ funded research grants (PI with more than 1.5 Million USD of total funding) -4 patents, 5 book chapters and 150+ reviewed journal and conference publications. -H-index of 17 (as of Jan. 2021) with more than 1000 citations.
LEADERSHIP	<ul style="list-style-type: none"> -School Principal & CEO, International School of Innovation (1000+ Students), Leb, 2015-Present -Associate Dean of Research, Faculty of Eng. & Info. Sciences, UOWD, UAE 2015-2020 -Head of the IOT research group, UOWD, 2020-present -Program Director, Engineering Management, 2011-2015 (UOWD), UAE -Co-Founder & Director of the first UAE Simulation & Smart Systems (S³) Research Center. -Program Leader of accreditation of the engineering and PhD programs at UOWD, UAE. -More than 15 years' experience in developing course curriculum and assessment tools
EDUCATION	<p>University of Oklahoma, Norman, OK, USA PhD in Computer Engineering (August 2003 - May 2006) Thesis title: Coverage and Connectivity Issues in Wireless Sensor Networks Award: One of the <i>youngest PhD holders in the history of the university. Honors list.</i></p> <p>University of Toledo, Toledo, OH, USA M.S., Engineering Science (August 2002 - July 2003), Software and Intelligent Systems Award: <i>Full Scholarship and Assistantship; High Distinction.</i></p> <p>American University of Beirut (AUB), Beirut, Lebanon B.S., Computer Science (October 1999 - June 2002) Award: <i>Deans Honor List; Scholarship.</i></p> <p>Stanford University, CA, USA, D-School - Innovation & Design Thinking - 2017 IBM - Artificial Intelligence Analyst - 2020</p>

<p>AWARDS</p>	<p><u>Outstanding Professor of the year, Middle EAST (MEPRA), 2021</u></p> <p><u>Brilliant Lebanese Awards. CEO of the year, LBCI, 2018</u></p> <p><u>Research Excellence Award</u>, UOWD, UAE, 2009, 2011, 2013, 2016</p> <p><u>Teaching Excellence Award</u>, UOWD, UAE 2011, 2015</p> <p><u>Teaching Innovation Award</u>, UOWD, UAE, 2013</p> <p><u>Rolex Award for Enterprise</u>, 2nd Round Finalist, 2012 (Worldwide)</p> <p><u>Stars of Science Runner up</u>, 2012 (from more than 7000 inventors)</p> <p><u>MIT Innovator Award</u>, Top 5 innovators, Arab MENA region in 2013.</p> <p><u>Inventors Award (1.5 Million AED)</u>, Qatar Foundation, 2012</p>
<p>LEADERSHIP EXPERIENCE</p>	<p><u>Summary of Leadership Experience:</u></p> <p>Since 2006, I have taken every opportunity to showcase my leadership skills including:</p> <ul style="list-style-type: none"> • CEO, International School of Innovation, Lebanon 2015-present • CEO, TUTORITTO, UAE 2021-present • Associate Dean, Research, Faculty of Engineering & Info. Sciences, UOWD, 2015-2020 • Program Director, Engineering Management (MITM), (UOWD) (2011- 2015) • Co-Founder & Director of the first UAE Simulation & Smart Systems (S³) Research Center. • Created and Developed new graduate/undergraduate courses (2006-present) • Acting Chair of the Computer Science Dept (AUB). (several occasions 2006-2008) • Chaired several committees in the department (2006-current) • Main advisor of a number of thesis & dissertations in the Masters & PhD programs. • Have worked on the establishment and accreditation of the engineering program in the University of Wollongong in Dubai and the PhD program in progress. • Contributed to strategic planning and evaluation of performance. I am responsible for coordinating the delivery, quality assurance and continuous improvement of the degree program. • Have actively participated in the process of securing and maintaining international accreditation and program quality assurance for several programs in UOWD. • Have evidence of academic and professional leadership in curriculum and research development and delivery both at the American University in Beirut (AUB, 2006-2008) and the university of Wollongong in Dubai (UOWD, 2008-present) • Principle investigator in a number of funded research projects totaling to more than half a million AED showing my skills in leadership. • Actively worked on a number of <i>Research project proposals</i> and secured grants from both local and international organizations including NRF and Emirates Foundation. • I have led several research teams that have resulted in the publication of <i>more than 80 research publications</i>.

ACADEMIC EXPERIENCE (2003-Present)	<p><u>Professor</u>, University of Wollongong, Dubai, 2008-present (UOW, Top 1% World Ranking) <u>Associate Dean</u>, Faculty of Engineering and Info. Sciences, 2015-2020 <u>Program Director</u>, Computer Science (MITM), 2011-2015</p> <p><u>Professor</u>, American University of Beirut (AUB), Beirut, Lebanon, 2006- 2008 <u>Teaching Assistant</u>, University of Oklahoma, Norman, Ok, USA, 2003-2006</p>
Projects (2003-Present)	<p><u>Projects (Totaling more than 5 Million AED – 1.5 million USD):</u></p> <ol style="list-style-type: none"> <u>External Grant</u>: E-Vehicles on the Road, Wireless Charging Infrastructure for smart cities, co-PI, Smart Cities Research Institute (SCRI), UAE. (2018-2020, 700,000 AED) <u>External Grant</u>: SHARED, PI, An innovative Interactive Computer System, Qatar Foundation Inventors Award, (1.5 million AED, 2013-2015). <u>External Grant</u>: Wireless Energy Transfer in Sensor Networks, PI, Emirates Foundation, (2011-2014, AED 280,000). <u>External Grant</u>: A Wireless Charging Infrastructure for Future Electric Cars in the UAE, PI, National Research Foundation, University, University-Industry Research Collaboration Award (2013-2016, AED 200,000). MyAdvisor: Using big data analytics for building an intelligent advising system, co-PI, UOWD Research grant (24,000 AED, 2018-2020) Smart interactive recycling solutions with augmented reality, PI, UOWD Research grant (37,000 AED, 2018-2020) Using wearable technology and artificial intelligence for the detection and prediction of epileptic seizures, co-PI, Global Challenges Fund, (55,000 AED, 2018- 2020). Enhancement of Signalized Intersections in UAE Using Surveillance data, co-PI, UOWD Research grant (25,000 AED, 2017-2019) Education using Shared Technology, PI, UOWD Research grant (15,000 AED, 2015-2017) Holograms in Education, PI, UOWD Research grant (15,000 AED, 2014- 2017). Future Smart Buildings sensing Energy, co-PI, UOWD Research grant (10,000 AED, 2015-2017) A framework for teams of Micro autonomous Ariel quad copters for surveillance, PI, UOWD Research grant (10,000 AED, 2015-2017). <u>External Grant</u>: HealthBuddy, Global Challenges Strategic Funding, CoPI, UOW Australia grant (5000\$, 2015- 2017). <u>External Grant</u>: UAVs-Satellite Imaging Data Fusion and Aggregation, PI, Remote Sensing Applications Grant (RSAC 2014), Government of Dubai, UAE (10,000 AED, Satellite Image Access, 2014-2015). <u>External Grant</u>: Parenting Mobile tools in the Arab Family, PI, DIFI-QNRF Joint Funding Research Program: OSRA RESEARCH GRANT. (2017, 50,000 USD, funds pending). A Gamification Approach to Parenting, PI, UOWD grant (15,000 AED, 2016- 2018). <u>External Grant</u>: Energy Usage Public Awareness in the UAE, PI, Emirates Foundation, (2011, 20,000 AED). Reconfigurable Energy Efficient Wireless Sensor Networks, American University of Beirut, Research Board (US \$7000, 2006-2007). <u>External Grant</u>: “A Complete Set of Algorithms and Protocols for Energy Efficient Intelligent WSNs, American University of Beirut, Research (\$4000, 2007-2008). Intelligent Transportation Systems in the Arab World Using Wireless Sensor Networks. Arab Science & Technology Foundation (ASTF) (US\$, 40, 000, 2007-2009) Smart Wireless Sensor Networks, Practical Applications and Protocols Lebanese National Council for Scientific Research (LNCSR) (US\$ 17,000, 2008-2009) Energy Efficient Suit of Protocols Supported by a Software Framework, Co-PI, NSF proposal (Networking Technology and Systems (US\$ 200,000, 2008, grant abandoned)) Software Protocols for WSNs, PI, UOWD Research grant (US \$5000, 2010-2011.) Energy Efficient Internet in the UAE, CI, UOWD Research grant (US \$ 4000 ,2010-2011) An infrastructure for Future Electric Cars, PI, ICT (Under Review, Stage 2, 2018, US\$ 350,000 requested)

REFERENCES AVAILABLE ON REQUEST

WILLING TO TRAVEL/RELOCATE