

Khaled Wahba, PhD

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ACADEMIC TEACHING EXPERIENCE – Courses and Locations

#	Course	Location	Dates
1	Decision-Making Tools (Statistical Techniques), for postgraduate programs	Maastricht School of Management, <i>The Netherlands, Romania, Kuwait, Kingdom of Saudi Arabia, Suriname, Hungary, and Egypt</i>	2007-2020
2	Random and Stochastic Processes, and Digital Signal Processing, for undergraduate and postgraduates' programs	Systems & Biomedical Engineering Department, Cairo University, <i>Egypt</i>	2000-2016
3	Biostatistics and Design of Experiment, for postgraduates	Systems & Biomedical Engineering Department, Cairo University, <i>Egypt</i>	2000-2016
4	Advanced Topics in Engineering: Systems Thinking and System Dynamics	Systems & Biomedical Engineering Department, Cairo University, <i>Egypt</i>	2000-2016
5	Advanced Quantitative Research Methods (Statistics and Multivariate Techniques), for DBA program	Graduate Business School, Pontificia Universidad Catolica del <i>Peru</i> , Lima, and <i>Colombia</i> (Bogota) Campus	2005-2016
6	Statistics and Quantitative Methods, for undergraduates	Algoma University, St. Thomas, Ontario, <i>Canada</i>	2015
7	Scientific Methods and Analysis, for undergraduates	Algoma University, Sault Ste Marie, Ontario, <i>Canada</i>	2017
8	Quantitative Research Methods and Analysis, for undergraduates	Algoma University, Sault Ste Marie, Ontario, <i>Canada</i>	2017
9	Quantitative Management Decision Making, for undergraduates	Algoma University, Brampton, Ontario, <i>Canada</i>	2020
10	Research Methods for Business (online), for undergraduate program	Ho Chi Minh City University of Technology, <i>Vietnam</i>	2020
11	Digital Transformation, for MBA program	Maastricht School of Management, <i>The Netherlands, Kuwait, Egypt, Mongolia, Romania, Vietnam, Surinam</i>	2016-2020
12	Research Methods and Analysis, for Postgraduate program	University of Maastricht (<i>Suriname</i> , Outreach Program)	2017-2019
13	Business Dynamics and Systems Thinking, for MBA program	Maastricht School of Management, <i>Romania, Kuwait, Egypt</i>	2001-2016
14	Quantitative Research Tools, for Entrepreneurship program	Maastricht School of Management, <i>Romania</i>	2017
15	Applied Marketing Research, for Entrepreneurship program	Maastricht School of Management, <i>Romania</i>	2017
16	Management Information Systems Strategy, for postgraduates	Middlesex University, London, UK (<i>Cairo Outreach Programs</i>)	1998-2010
17	Modelling and Simulation, for postgraduates	Speed Scientific School, University of Louisville, USA, (<i>Cairo Outreach Programs</i>)	1997-2001

ACADEMIC AND PROFESSIONAL EXPERIENCE

- Extensive international teaching experiences (20+ years), at the undergraduate and the postgraduate's levels, as well as in professional training. The international experiences include teaching in Canada, The Netherlands, Romania, Peru, Colombia, Suriname, Saudi Arabia, UAE, Malawi, Kuwait, Mongolia, Hungary, Vietnam, and Egypt.
- Associate Professor at Biomedical and Systems Engineering, Cairo University, (on leave and now living in Canada)
- Adjunct Associate Professor at Algoma University, Sault Ste. Marie, Ontario, Canada, during 2015, 2017, and 2020 teaching Statistics, Quantitative Research Methods & Analysis, and Scientific Methods & Analysis, Quantitative Management Decision Making.
- Adjunct Faculty for Data Analytics, Quantitative Research Methods, Systems Thinking, System Dynamics, Digital Transformation at Maastricht School of Management, the Netherlands since 2001.
- **Co-author of a textbook "How to Write Your MBA Thesis", Meyer & Meyer, 2007, with Johns, S., and B. van der Heijden.**
- Published 95+ scientific papers in Systems & Biomedical Engineering and Business fields.
- Supervised more than 400+ Theses (MBA, MSc), Dissertations (DBA, PhD), moreover supervised senior Projects in the fields of System Dynamics/Thinking, Systems & Biomedical Engineering as well as in the fields of Business & Management, Human Resource and Entrepreneurship, Small and Medium Enterprises.
- Extensive 20+ years of experience in the field of education, research, and training including design and development of professional and academic programs, and curriculum development.
- Acting as the academic dean of Maastricht School of Management - Outreach program in Kuwait for MBA & DBA programs.
- Professional Trainer in the fields of Data Analytics, Digital Transformation, and Systems Thinking, System Dynamics, Creative Problem Solving and Creativity.
- Academic Advisor at the "Regional IT Institute RITI", Cairo, Egypt, [1996 - 2015].
- Internationally Certified Professional Trainer jointly between Missouri State University, USA and Cairo University, Egypt.
- Director and Academic Advisor of a Learning and Development Institute named "Regional IT Institute RITI", Cairo, Egypt. RITI is the leading educational institute in Egypt, [2004 - 2010].
- CEO of an IT startup company, "TAYA IT", Cairo, Egypt and Dubai, UAE. TAYA IT was specialized in Content-Based Online Business and Arabic Search Engine (B2C and B2B), [2006 - 2010].
- Co-Project Manager and Human Resource Development Consultant for a project in Egypt for the Ministry of Irrigation and Water Resources, funded by the Dutch Government for Human Resource Capacity Building of the Training Sector at the Ministry, [2012-2015].
- Managed Research Project Team in the field of Healthcare Sector in Egypt during 2016 and 2017.

ACADEMIC CREDENTIALS

- PhD (1996), Mechanical Engineering, RWTH Aachen University, Aachen, Germany
- MSc (1989) & BSc (1985) in Systems & Biomedical Engineering, Cairo University, Egypt

Previous students' testimonies:

<https://www.linkedin.com/feed/update/urn:li:activity:6719969731429888000/>

TRAINING ACTIVITIES (COURSES/PRESENTATIONS/WORKSHOPS)

#	Course	Location	Dates
1	Machine Learning Using R Language	Egypt, for Etisalat Egypt, (a Telecom and Mobile Operator)	2019
2	Data Visualization Using Excel (Online, 5 training rounds)	Egypt, for Etisalat Egypt, (a Telecom and Mobile Operator)	2020
3	Digital Transformation (Online, 2 rounds)	Egypt, for Etisalat Egypt, (a Telecom and Mobile Operator)	2020
4	Data Analysis for Decision Making	Suriname, FHR Institute	2019
5	Systems Thinking	Vietnam, HCMC University	2019
6	Data Analytics for Business Benefits	UAE, Grant Thornton	2018
7	Big Data Analytics (Workshop)	Surinam, Vietnam	2018
8	Data Analytics for Decision Making	Egypt, for Banks and Telecom, pharmaceutical, and various sectors	2015-2019
9	Performance Analytics	Egypt, Telecom company, Etisalat	2015
10	Digital Transformation	Egypt, large private Bank, CIB	2018
11	Life Design – The Happiness Index (Copyrighted in Canada under my name)	Romania, MBA Master Class. Egypt, Commercial International Bank, CIB Egypt.	2014, 2015
12	Data Analysis Techniques and Methods	Egypt, National Water Research Center (NWRC) at the Ministry of Irrigation and Water Resource	2015
13	Data Analysis Essential (Design of Experiment)	Egypt, TradeCorp International	2015
14	Decision Making in Complex Context Using Systems Thinking Paradigm	Romania, BIZ Magazine	2013, 2014
15	Business Dynamics	Romania, Avangate	2014
16	Quantitative Data Analysis and Decision Making	Egypt, Lafarge Romania, eMAG Egypt, HSBC	2012
17	Quantitative Data Analysis and Decision Making		2013
18	Creative Thinking and Problem Solving	Egypt, RITI	2014
19	Open Space Conference (Event)	Egypt, GIZ, for the German Alumni	2012
20	Anatomy of Complexity: System Thinking Approach	Romania, Dutch Chamber of Commerce	2011
21	Hypothesumption (my own trademark)	Colombia, National Hospital in Bogota	2012
22	Problem Solving using Systems Dynamics and System Thinking	Dubai, AUE	2010
23	The Impact of Financial Global Crisis on Us, Individuals, Business, Country: System Thinking Approach	Egypt, Public session	2009
24	The Role of IT in Business Practice and the Pillars for Business Success: From Information to Knowledge Society	Egypt, German-Arab Chamber of Industry and Commerce	2005
25	The Systems Thinking: A Way to Identify the Fundamental Problem	Egypt, Rotary Club Egypt, Public sessions	2004, 2005

26	Problem Solving Techniques	Egypt, Vodafone	2005
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MEMBER IN THE FOLLOWING ASSOCIATIONS:

- Member at the Doctoral Advisory Committee at Fortune Institute of International Business (FIIB), New Delhi, India (2020-)
- Policy Council Member at Africa Chapter of the International Systems Dynamics Society (since 2014)
- President of the Systems Dynamics Society (Egypt Chapter) in Cairo, Egypt, (July 2002 – till 2012)
- Member at the American Chamber of Commerce, AmCham, Cairo, Egypt (From 2007 – 2010)
- Member in the Policy Council of the International Systems Dynamics Society, USA, (January 2007 till 2009)
- Member of Information Resources Management Association, IRMA (<http://www.irma-international.org> 1331 East Chocolate Avenue, Hershey, PA 17033-117, USA, Tel: 717/533-8879, Fax: 717/533-8661, E-mail: member@irma-international.org (June 1999 till 2003)
- Member of International Systems Dynamics Society (<http://www.systemdynamics.org>) (June 2001 - to date)

LANGUAGE SKILLS AND EXPERIENCE WITH TOOLS/APPLICATIONS

- **Languages:** Arabic (*Native*), English (*Excellent*), German (*V. Good*)
- **Tools:** Experience with various data analysis software/tools such as SPSS, Data Analysis Excel add-ins (Risk Solver) and VBA, R, Tableau, Power BI.

FIELDS OF INTEREST

Big Data, Data Analytics, Digital Transformation, Quantitative Research Methods and Techniques, Design of Experiment, Biostatistics, Business Statistics, Systems Thinking, Complexity Theories, Knowledge Management, Learning Organization, Operation Research, Project Management, Information Systems/Information Technology, Training Programs Development and Design, Operations Management, Tele-Medicine, Software Development, Mobile Applications, Health Care Management.

EXTENSIVE KNOWLEDGE IN THE FOLLOWING AREAS

Probability Theory and Stochastic Processes, Modeling & Simulation in Biomedical Fields, Biostatistics, Bio-Signals Processing, Sleep Research, Digital Signal Processing, Research Methodology, Research & Development, Systems Theories and System Dynamics with Biomedical Applications, Text-To-Speech, Speech Processing, Mathematical Modeling and Computer Simulation, Pattern Recognition (Neural Network, Data Mining), Control System Analysis, Stochastic Process Modeling using Hidden Markov Model, Whole-Body-Vibrations, Bio-Mechanical Modeling.

REVIEWER AND COMMITTEE MEMBER

- Member in the Advisory Board of Technological Forecasting and Social Change: An International Journal, Elsevier.
- Member in the Editorial Board as Associate Editors in the International Journal of System Dynamics Applications (IJSDA), an Official Publication of the Information Resources Management Association.
- Chair of Students Committee in the 5th Conference in Biomedical Engineering, Cairo, Egypt, December 2010.

- Program Committee for International Business Information Management Conference, Cairo, Egypt, December 16-18, 2003.
- Program Committee for Conference in Information Science, Technology Management, “Transforming Business Performance through Knowledge Management”, Alexandria, Egypt, July 8-10, 2004.
- Reviewer for the following academic events:
 - The International Systems Dynamics Conference, 2002-2015.
 - The International Conference in Biomedical Engineering, Cairo, Egypt, 2002-2014.
 - The XIth European Conference on Information Systems, Bologna, Italy, June 2003.
 - The Information Science + Information Technology Education, Joint Conference, QLD Australia, June 25-28, 2004.
 - The International Business Information Management Conference, Cairo, Egypt, December 16-18, 2003 and in Amman, Jordan, July 2004.
 - Journal of Information Technology for Development - Special Issue on Banking, 2004.
 - The International Journal of Knowledge Management, 2004-2009.
 - The First Annual Conference in Global Information Technology, GITM World Conference, 11-13 June 2000, Memphis, Tennessee, USA.
 - The Xth European Conference on Information Systems, Gdańsk, Poland, June 6-8, 2002.
 - The Informing Science & IT Education Joint Conference: InSITE hosted by Computer Science Department University College Cork, Cork, Ireland June 19-21, 2002.