

Khaled Wahba, PhD

585 Eiderdown Place, Mississauga, Ontario, L5B2X3, Canada

e kwahba@kwahba.com | t +1 (647) 693-3445

s kwahbaAcademic | in khaledwahba

w kwanti.kwahba.com

Key Qualifications

Educator, Executive Leader, Academic Dean, Professional Trainer, Researcher, Adjunct Professor, Academic Advisor, Motivator, Creative and Critical, Friendly, Supportive, Committed.

PROFESSIONAL AND ACADEMIC EXPERIENCE

- Visiting Professors for Data Analytics, Quantitative Research Methods, Systems Thinking, System Dynamics, Digital Transformation at Maastricht School of Management, the Netherlands since 2001.
- Internationally Certified Professional Trainer from Missouri State University, USA and Cairo University, Egypt.
- Extensive 20+ years of experience in the field of Education, Training, and Research, including Design and Development of Professional and Academic Programs, Curriculum Development.
- Academic Dean of Maastricht School of Management in Kuwait (Part-Time).
- 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.
- Managed Research Project Team in the field of Healthcare Sector in Egypt
- Academic Advisor at the "Regional IT Institute RITI", Cairo, Egypt [1996 - 2015]
- Data Analytics Instructor and Consultant [2000 - to date]
- Professional Trainer for Creative Thinking and Creativity
- Human Resource Development Consultant for Maastricht School of Management, the Netherlands [2012 - 2014]
- 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]

TEACHING EXPERIENCE

- Adjunct Associate Professor for *Statistics and Quantitative Methods* at Psychology and Geography Department, **Algoma University, St. Thomas, Ontario**, Canada, between the winter Semester 2015 till April 2016.
- Freelance Instructor and Trainer in *Research Methods and Skills, Systems Thinking, System Dynamics, Organizational Learning, Knowledge Management, Data Analysis & Analytics, Business Statistics, Quantitative Techniques, Digital Transformation, Project Management, Decision Making Methods, Problem Solving Tools, and Creative Thinking, and Critical Thinking.*

- Visiting Professor at Maastricht School of Management (NL) for *Quantitative Research Methods, Business Statistics, Digital Transformation and System Dynamics*, since 2001.
- Adjunct Associate Professor, for *Operations Management (System Dynamics and Systems Thinking with Business applications)* and *Business Statistics*, at Business School, American University in Cairo (AUC), Egypt, since 2012 till 2016.
- Associate Professor in Systems & Biomedical Engineering Department, Faculty of Engineering, Cairo University; *Teaching Biostatistics, Design of Experiment, Biomedical Dynamic Systems, Stochastic Processes, Project Management, Digital Signal Processing, Dynamic Control Systems*, 2000-2014.
- Extensive International and Local Teaching Experiences (20+ years), on Undergraduates, Postgraduates Levels, as well as in Professional Training. The International Experiences include teaching in Canada, The Netherlands, Romania, Peru, Colombia, Suriname, Saudi Arabia, AUE, Malawi, Kuwait, and Egypt.

ACADEMIC CREDENTIALS

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

Academic Experience

Associate Professor: *Systems & Biomedical Engineering Department, Cairo University*
Since 2012 till 2014 (www.eng.cu.edu.eg)

Visiting Professor: *Graduate Business School, Pontificia Universidad Catolica del Peru, Lima, Peru*
between February 2015 – January 2016 (www.centrum.pucp.edu.pe)

Academic Advisor: *Regional IT Institute (RITI), Cairo, Egypt*
Since 1996 till 2016 (www.riti.org)

Visiting Professor: *Maastricht School of Management, Maastricht, the Netherlands*
Since 2001 till 2016 (www.msm.nl)

Visiting Professor: *Maastricht School of Management, Romania Campus, Bucharest, Romania*
Since 2011 till 2016 (www.msmromania.org)

Adjunct Associate Professor: *School of Business, American University in Cairo, Egypt*
Since 2012 till 2016 (www.aucegypt.edu)

Assistant Professor: *Systems & Biomedical Engineering Department, Cairo University, Egypt*
1996 – 2012 (www.eng.cu.edu.eg)

Adjunct Assistant Professor: *Speed Scientific School, University of Louisville, USA*
1997 – 2001 (www.louisville.edu)

Link Tutor: *RITI & Middlesex University, London, UK*
1998 – 2010 (www.mdx.ac.uk)

Teaching and Research Assistant: *Systems & Biomedical Engineering Department, Cairo, Egypt*
1985 – 1990

Research Assistant: IBM, Cairo Scientific Center, Egypt
1987 – 1989

Professional Experience

Academic Dean (Part Time Contract) | Maastricht School of Management in Kuwait | 2016 --
Setting and executing the academic and research agenda for Maastricht School of Management (the Netherlands) in Kuwait. (www.msm-kuwait.com)

Human Resource Development Consultant | Maastricht School of Management | 2012 -- 2015
Participating in Human Resource Development based project funded by Nuffic/NICHE and led by Maastricht School of Management (the Netherlands) in Egypt. (www.msm.nl)

Director | Regional IT Institute (RITI), Cairo, Egypt | 2004 –Dec 2010
Setting overall strategy for RITI (Learning and Development programs) and responsible for its implementation, Managing the implementation of the following programs in Cairo, Egypt: (1) The Doctorate of Business Administration (**DBA**) as well as the Master of Business Administration (**MBA**) in Cooperation with Maastricht School of Management, Maastricht, the Netherlands, (2) The **Master of Science** in Computer Science in cooperation with the Department of Computer Engineering and Computer Science, University of Louisville, Kentucky, USA, (3) The **Master of Science** in Business Information Technology in Cooperation with Middlesex University, UK. (www.riti.org)

CEO | TAYA IT, Cairo, Egypt and Dubai, UAE | September 2006 – March 2010

TAYA IT was an IT startup company established in Q4 of 2006 and offers two line of Businesses; Enterprise Solutions for Information Managements and Online Advertising. TAYA IT operates in Dubai as well as in Egypt with 50 Staff members. (www.tayaenterprise.com and www.tayait.com).

Taught the following Academic Courses and Subjects

- Statistics and Quantitative Methods for Psychology and Geography Department, Algoma University, St. Thomas, Ontario, Canada, Winter Semester 2015.
- Business Statistics and Quantitative Data Analysis, for MBA Programs delivered in Romania, The Netherlands, Kingdom of Saudi Arabia, Suriname and Egypt, since 2012.
- Digital Transformation for MBA Program delivered at Regional IT Institute, RITI (Cairo, Egypt) in collaboration with Maastricht School of Management, the Netherlands, 2016.
- Quantitative Research Methods, for DBA Programs (Doctor of Business Administration), delivered in Maastricht School of Management, the Netherlands, in Centrum Catolica, Pontificia Universidad Catolica del Peru (Peru & Colombia), and in Cairo, Egypt since 2005.
- Biostatistics and Experimental Design for Master of Science in Systems & Biomedical Engineering, Cairo University, Egypt till 2015.
- Business Dynamics for MBA Program delivered at RITI (Cairo, Egypt) in collaboration with Maastricht School of Management, the Netherlands, since 2001.
- System/Business Dynamics for MBA Program delivered at AUC (America University in Cairo), Egypt, and at MSM Romania, Bucharest, Romania, since 2013.
- Systems Thinking and System Dynamics, for students enrolled in the Master of Science in Systems and Biomedical Engineering, Cairo University, Egypt, till 2015.
- Systems Thinking and Business Dynamics, for MBA Programs delivered in Romania, in collaboration with Maastricht School of Management, the Netherlands.
- Stochastic Processes, for Undergraduate students of BSc. in Systems & Biomedical Engineering, Cairo University, Egypt, till 2015.

- Math and Business Statistics, for Pre-MBA Program, delivered for Maastricht School of Management Outreach Program in Kuwait-KMBS Campus.
- Operations Management, for MBA Program, delivered for Maastricht School of Management outreach program ESAMI, in Malawi.
- Project Management, for Undergraduate students of BSc. in Systems & Biomedical Engineering, Cairo University, Egypt.
- Information Systems, Strategy and Management for students enrolled in Master of Science in Business Information Technology, Department of Computing Science, Middlesex University, for Cairo Campus, Egypt.
- Introduction to System Thinking and System/Business Dynamics, for MBA Program, delivered for Maastricht School of Management Outreach program in Cairo Campus, Egypt.
- Simulation & Modeling, for students enrolled in Master of Science in Computer Science Program, Speed Scientific School, University of Louisville, Cairo Campus, Egypt.

Training Activities (Conducting various Courses/Presentations/Seminars)

- 3-Day Training on Data Analytics for Decision Making, to one of the leading Banks in Egypt, CIB, multiple rounds during 2015 and 2016.
- 3-Day Training on Performance Analytics to one of the leading Telecom Companies in the Region, Etisalat Egypt, 2015 and 2016.
- 3-Day Training on Data Analytics for Decision Making, to National Bank of Kuwait in Egypt, October 2016.
- 3-Day Training on Data Analytics for Decision Making, to Multitrade (Pharmaceutical company) in Egypt, October 2016.
- 3-Day Training on Data Analytics for Business Decision Making to DellEMC Egypt, 2016.
- 3-Day Training on Data Analytics for Decision Making, to one of the leading Training and Development Institute in Egypt, RITI, multiple rounds during 2015 and 2016
- 1-Day Workshop | Life Design | Commercial International Bank, CIB Egypt, Cairo, August 2015.
- 5-Day Training Program | Data Analysis Techniques and Methods | National Water Research Center (NWRC) at the Ministry of Irrigation and Water Resource, Egypt | Funded by Nuffic-NFP, The Netherlands and managed by Maastricht School of Management, the Netherlands | Cairo, Egypt | **10-14 May 2015.**
- 1-Day Workshop | Data Analysis Essential (Design of Experiment) | TradeCorp International | Cairo, Egypt | **9 May 2015.**
- Invited Speaker | Title "Decision Making in Complex Context Using Systems Thinking Paradigm" | BIZ Magazine Days | Romania– Bucharest | **12 November 2014.**
- 3-Day Training Program | Business Dynamics for Avangate (Software Company), Bucharest, Romania, **October 2014.**
- 1-Day Workshop | Life Design | MSM Romania, Bucharest, July 2014.
- 4-Day Workshop | Creative Thinking and Problem Solving at the Regional IT Institute, Cairo, Egypt, **May and June 2013, May 2014.**
- 3-Day Training Program | Quantitative Data Analysis and Decision Making for eMAG (eBusiness Company), Bucharest, Romania, **November 2013.**
- 1-Day workshop | Decision Making in Complex Context using System Thinking Paradigm, Bucharest, Romania, **April 2013.**
- 8-Day Training Program | Quantitative Data Analysis and Decision Making for Lafarge Egypt, Cairo, Egypt, **April 2012.**
- 8-Day Training Program | Quantitative Data Analysis for HSBC Egypt, Cairo, Egypt, **March 2012.**
- Presentation about "Hypothesumption" to group of medical doctors and professors at National Hospital in Bogota, Colombia, **June 2012.**

- 1-Day Open Space Conference (Event) organized by GIZ, for the German Alumni in Egypt, **July 2012**.
- A Seminar with the title “Anatomy of Complexity: System Thinking Approach”, held in Bucharest, Romania, **September 2011**.
- 4-Day Workshop on “Problem Solving using Systems Dynamics and System Thinking”, Dubai, AUE, **March 2010**.
- Seminar on “The Impact of Financial Global Crisis on Us, Individuals, Business, Country: System Thinking Approach”, Cairo, Egypt, **April 15th and 6th May 2009**.
- Presentation on “The Role of IT in Business Practice and the Pillars for Business Success: From Information to Knowledge Society” In the Occasion of Launching the Business Portal”, organized by the German-Arab Chamber of Industry and Commerce, Cairo, Egypt, **30 March 2005**.
- Presentation on “The Systems Thinking: A Way to Identify the Fundamental Problem”, presented for the Rotary Club, 6th of October City, Cairo, **16th March 2005**.
- Coaching Group of Business Owners in the framework of Training Program (Executive Development Program) conducted by Management Development Institute (MDI), USAID, **February – June 2005**.
- 2-Day Workshop on “Problem Solving Techniques”, for Vodafone-Egypt, 9 and 16 **February 2005**.
- 1-Day Workshop on “Systems Thinking: An Overview with Application in Business Environment”, **9 October 2004**.
- Presentation on “Knowledge Management IS Perspective”, at the Faculty of Computers and Information, Cairo University, **January 2004**.
- Trainings on “Business Statistics Computer-Based course”, at AMIDEAST for MobiNil (Mobile Operator in Cairo, Egypt), 180 hours, till **September 2003**.
- Orientation Session for Research Methods: MBA Full time and Part time Students at Centrum Catolica, Pontificia Universidad Catolica del Peru, **June 2003**.
- Marketing Research: Marketing Diploma, Regional IT Institute, 24 hrs, October 2002.
- Conducted 2 Hour seminar, with the topic “Information Technology Strategy” within the Program “Communication & Information Technology for Diplomats” organized by the Global Distance Knowledge Center Egypt by RITSEC, **January 2002**.
- Conducted 5 Hour seminar, with the topic “Studies in Information Systems” within the Program “Technical Secretariat of the Commonwealth of Independent States and the Newly Islamic European Independent States in the Egyptian Ministry of Foreign Affairs jointly conducted with the Regional IT institute, **October 2001**.
- Conducted 12 Hour seminar, with the topic “Effective Decision Making Tools” within the Program “Technical Secretariat of the Commonwealth of Independent States and the Newly Islamic European Independent States in the Egyptian Ministry of Foreign Affairs jointly conducted with the Regional IT institute, **August 2001**.
- Statistical Analysis, at the Banking Institute, Central Bank of Egypt, 75 hours, **till February 2001**.
- Project Management, using Microsoft Project, at the Banking Institute, Central Bank of Egypt, 15 hours, **till August 2000**.

Member in the following Associations:

- 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

Languages: Arabic (*Native*), English (*Very Good*), German (*Good*)

Tools: Experience with various data analysis software such as SPSS, Excel add-ins (Risk Solver), R, Tableau.

Fields of interest

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

Modeling & Simulation in Biomedical Fields, Biostatistics, Bio-Signals Processing, Sleep Research, Probability Theory and Stochastic Processes, 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.

Published more than 95 publications in different fields of business and engineering, including textbook *"How to Write Your MBA Thesis"*, Meyer & Meyer, 2007, with Johns, S., and B. van der Heijden.

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.
- Reviewer in the International Systems Dynamics Conference, 2002-2013.
- Chair of Students Committee in the 5th Conference in Biomedical Engineering, Cairo, Egypt, December 2010.
- Reviewer for papers submission in the 1st, 2nd, 3rd, 4th and 5th Conference in Biomedical Engineering, Cairo, Egypt, in Decembers 2002-2010.
- Reviewer in the First Annual Conference in Global Information Technology, GITM World Conference, 11-13 June, 2000, Memphis, Tennessee, USA. Theme: Challenges and Opportunities in Global Information Technology in the New Millennium".
- Reviewer in the Xth European Conference on Information Systems, Gdańsk, Poland, June 6-8, 2002, Theme: Information Systems and the Future of the Digital Economy".
- Reviewer in the Informing Science & IT Education Joint Conference: InSITE hosted by Computer Science Department University College Cork, Cork, Ireland June 19-21, 2002. Theme: "Where Parallels Intersect".

- Reviewer in the XIth European Conference on Information Systems, Bologna, Italy, June 2003.
- Reviewer in the Information Science + Information Technology Education, Joint Conference, QLD Australia, June 25-28, 2004.
- 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 in the International Business Information Management Conference, Cairo, Egypt, December 16-18, 2003.
- Reviewer in the International Business Information Management Conference, Amman, Jordan, July, 2004.
- Reviewer in the Journal of Information Technology for Development - Special Issue on Banking, 2004.
- Reviewer in the International Journal of Knowledge Management, 2004, 2005, 2006, 2007, 2008, 2009.

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