

## SHORT BIOGRAPHY



### **Khaled A. Mahdi,**

**PhD, PMP, P2F, CEng, GCCarb**

*serves professionally the academic, private  
and public sectors locally, regionally and worldwide.*

**Government and Public Sector Experience,** Khaled is currently serving as the Secretary-General of the Supreme Council for Planning and Development in the Government of Kuwait since 2016. He was the Assistant Secretary General for the Follow-up and Future Forecasting besides being the Acting Assistant Secretary General for planning. Khaled resided in several government boards and higher committees to name few: the Public Authority for Industries, Kuwait Institute for Scientific Researches, Public Authority for Civil Information and The Arab Planning Institutes. He is a member of the Supreme Council of Education. He serves as a member in high-level committees such as the Economic and Fiscal Reform, Humanitarian Foreign Aid, Fiscal budgeting Frame, Kuwait Demographic Disparities, The development of Kuwait Islands, Kuwait Master Plan 204 besides serving other government sub committees and leading government teams. Khaled is the chairman of the Consultants Selection Committee.

**Academic Experience,** Khaled received his PhD in chemical engineering from **Northwestern University** specialized on applications of statistical mechanics on complex thermodynamic systems. He received his bachelor degree in chemical engineering from **University of Toronto**. Khaled worked for Kuwait Institute for Scientific Researches before he became an Associate Professor of Chemical Engineering at Kuwait University. He taught 29 different courses in general engineering, chemical engineering as well as management sciences. He received the best teaching award in Kuwait University (2009) and electronic courses award in 2006. Khaled has authored or co-authored more than 65 journals articles, chapters, conference papers and books in different fields. His primary interest is the study of complex systems and process modeling and optimization from the applied side of engineering. Khaled together with collaborators established two research groups: SYNERGY the first research group to study complex networks in the Middle East and ECSL@KU is an Engineering Computation and Simulation Laboratory at Kuwait University. Khaled has supervised several research projects funded, unfunded and master theses and projects.

**Private Sector Experience,** Khaled resided in several known corporations in Kuwait representing a major investment companies such as Industrial and Financial Investments Companies as a member in Al-Dhow Environmental Projects Company, Arab Industrial Projects Company and Environmental Preservation Industrial Company. Currently he is Vice Chairman & CEO of FOCUS consultancy services, a shareholding management and engineering training and consulting firm in Kuwait, he founded the company in 2013. In 2004, he founded SGC a general trading and contracting company focused on industrial and commercial real-estate development outside Kuwait

**Consulting and Training Experience,** Khaled serves as a consultant for Kuwait University Academic affairs offices on Kuwait University Strategy in 2005. Later he serves in the consulting team of her Excellency the Minister of Development Affairs office in 2014. Khaled participated in many consulting projects with several organizations such as UNCC, KNFP, KPC, EPIC, MOE, KIU, CMA and many others. He trained more than 1000 professionals and engineers since 2002 in the public and private sectors locally and regionally as well as internationally. Training courses include technical, management and leadership training programs with emphasis on professional certifications in management.

**Professional Communities Involvement,** Khaled is a project management professional (PMP), PRINCE2 and a certified consulting engineer (CEng) in research and training as well as a certified GCC expert and commercial arbitrator. He is a senior member of AIChE and associate member of IChemE besides membership in several professional societies, ISPI, SAVE, IAE, IADIS, KES, ACS and SPE. Khaled serves as a professional consultant and trainer in project management, leadership and chemical engineering counting more than 90 training courses.

## OBJECTIVE

*To serves professionally the academic, private and public sectors locally, regionally and worldwide.*

## EDUCATION

**Doctor of Philosophy, Chemical Engineering (2000),  
Northwestern University, USA**

Ph.D. Thesis: Phase Diagrams of Polyelectrolyte Solutions.

Supervisor: Prof. M. Olvera de la Cruz

**Master of Chemical Engineering, Chemical Engineering (1995)  
Illinois Institute of Technology, USA**

M. ChE. Project: Adiabatic Flow of Dilute Polymeric Liquids Using Brownian Dynamic Simulations of FENE Dumbbells.

Supervisor: Prof. J. D. Scheiber

**Bachelor of Applied Science, Chemical Engineering (1993)  
University of Toronto, Canada**

B.A.Sc. Thesis: Thermal and Sonochemical Liquefaction of Coal. Supervisor: Prof. C. Mims

Plant Design Project: Design of an Oil Extraction and Protein Isolates Pilot Plant Supervisor: Prof. Diosady

*Specialization Options:*

Business Management (courses completed at University of Ottawa, Canada 1991)

Nuclear Chemical Engineering (completed at University of Toronto, Canada 1993)

## CERTIFICATION, MEMBERSHIP AND AWARDS

### PROFESSIONAL CERTIFICATIONS

- PRINCE2®: 2009 Foundation Certified, P2R/784886, UK Office of Government Commerce, (2011)
- Certified Arbitrator and Expert (GCCarb), GCC Commercial Arbitration Centre, (2009)
- Project Management Professional (PMP), 451958, Project Management Institute, (2007)
- Consulting Engineer (CEng), 818, Kuwait Society of Engineers, (2007)

### PROFESSIONAL MEMBERSHIPS

- American Institute for Chemical Engineers, Senior Member (since 1989)
- Kuwait Society of Engineers, Life-long member; CEng (since 1993)
- Project Management Institute, Member; PMP (since 2005)
- Institute of Chemical Engineers, Associate Member AMIChemE (since 2005)
- International Association for Development of the Information Society, Member (since 2008)
- Society of American Value Engineers, Member (since 2009)
- International Society for Performance Improvement, Associate Member (since 2009)
- American Chemical Society, Member (since 2010)
- International Association of Engineers, Member (sine 2010)
- Society of Petroleum Engineers, Member (since 2011)

### AWARDS

- Best Teaching Award, College of Engineering and Petroleum, Kuwait University, Kuwait (Fall 2009)
- Blackboard E-learning at Kuwait University Award of Appreciation, KUCIS, Kuwait (Spring 2009)
- Best Electronic Course Award, College of Engineering and Petroleum, Kuwait University, Kuwait (Fall 2004)
- Outstanding Achievement in Bachelor Studies Award, the Embassy of the state of Kuwait, Washington D.C. (1993)

## GOVERNMENT WORK EXPERIENCE

### GOVERNMENT POSITIONS

2016 – Present **General Secretarial of the Supreme Council for Planning, Kuwait Secretary-General**

**Head of the Consultants Selection Committee (2016-2017)**

- Manages the General Secretariat technically, administratively and financially
- Restructures the General-Secretariat to more efficient organogram
- Receives the ISO 9001:2015 for the GSSCPD
- Chairs the Consultants Selection Committee
- Involves in the management of the Kuwait Master Plan 2040
- Resides in the Higher Committee of Kuwait University Projects
- Builds The Integrated National Development Planning System (INDPS)
- Oversees the Country Program of the UNDP on behalf of the state of Kuwait
- Sets up Kuwait Consultants Roaster for UNDP experts recruitment
- Participates in the Fiscal and Economic Reform Committee with Ministry of Finance
- Initiates and Oversees the National Media and PR campaign of New Kuwait 2035 vision
- Establishes the National Knowledge Economy Center
- Establishes the National Development Research Center
- Establishes the Kuwait Public Policy Center
- Establishes the Observatory of the Sustainable Development and Future Forecasting
- Establishes field follow up system through field visits to strategic projects
- Implements the recommendations of the cabinet and SCPD to minimize workflow
- Manages the Junior Professional Officers and Youth Leadership UN programs in Kuwait
- Participates in the study to privatize Jaber Hospital (the largest in the middle east)
- Participates in the follow up of the Fiscal and Economic Reform.
- Resides as a member board in KISR, PAI, PACI and others public agencies
- Creates linkages and partnerships between the GSSCPD with local and international organizations
- Supports the Private-Public Partnership of Infrastructure projects

2015 – 2016 **General Secretarial of the Supreme Council for Planning, Kuwait**

**Assistant General Secretary for Follow-up and Future Forecasting**

**Acting Assistant Secretary General for Planning Affairs**

**Acting Secretary General**

- Manage the sector administratively and financially
- Develop integrated system for Kuwait National Plan projects follow-up
- Train other government entities in strategic planning and follow up
- Supervise and manage the consultancy studies and projects in Kuwait
- Establish the National Knowledge Economy Centre
- Standardize and automate the consulting procurement system, Consultants Portal
- Develop dashboard system for KNDP monitoring
- Implement a new organizational structure
- Participates in rectifying the new national planning law (1/2016)
- Participates in national and ministerial committees
- Resides in GSSCP boards seats
- Implement the new KNDP's KPIs driven planning strategy
- Assists in the implement of CPAP through UNDP
- Establish field follow up system through field visits to strategic projects
- Implement the recommendations of prime council and SCPD to minimize workflow

### GOVERNMENT DUTIES

- Board member – Center of Excellence in Education Quality (2017 – now)
- Board member – Public Housing Authority (2017 –now)
- Council member – Supreme Council of Education (2016 – now)
- Chairman – Consultants Selection Committee (Member 2015-2016, Chairman 2016-2017)
- Director - Country Program Action Plan, UNDP (2015-now)
- Board member – Public Authority of Industries (2015-now)
- Board member – Kuwait Institute for Scientific Research (2016 – now)

- Board member – Public Authority of Civil Information (2015-2016)
- Member – Kuwait Islands Project and Silk City Committee (2016 – now)
- Member – Jaber Hospital Privatization of the Hospital Management (2016)
- Member – Fiscal and Economic Reform Follow-up Committee (2016 – now)
- Member – Kuwait University Mega Projects Committee (2016 – now)
- Member – Total Facilities Management tenders evaluation committee, Deputy Minister for Planning office, Ministry of Education, Kuwait [2012]
- Member – Strategic Project Management Office tenders evaluation committee, Deputy Minister for planning office, Ministry of Education, Kuwait [2011-2012]
- Member - Encouraging Students to Sciences Specialties National committee, Deputy Minister of educational programs, Ministry of Education, Kuwait. [2008-2009]
- Member – KNFP Tenders evaluation committee, Kuwait National Focal Point, Kuwait [2010-2011]

## REGIONAL AND INTERNATIONAL DUTIE

- Government Representative – ESCWA executive board (2016-now)
- Government Representative – GCC Planning Undersecretaries Committee, GCC (2015-now)
- Member – Gulf Countries Council Green Building Committee, Kuwait (2012-2013)
- Member – Building Materials Specifications Committee Kuwait (2011-2013)

## ACADEMIC WORK EXPERIENCE

### ACADEMIC POSITIONS

**2013 – 2015      Chemical Engineering Department, Kuwait University, Kuwait**  
**Associate Professor**

- Teach students at graduate and undergraduate levels
- Establish ECSL@KU, Engineering Computation and Simulation Laboratory
- Collaborate with MIT research groups in Renewable Energy Storage
- Consult Kuwait Union of Industries on Strategic Support Center
- Develop KIU staff exchange program
- Establish AIChE-Kuwait Local Section
- Consult her excellency the State Minister of Development Affairs and Planning
- Organize in collaboration with DOW chemical, the Young Scientists Program
- Introduce and teaching Introduction to Nanotechnology course as selected topic
- Receive nomination for OAPEC and KFAS Scientific Production awards
- Train Khafji Joint Operation middle management staff on teamwork and delegation

**2000 – 2013      Chemical Engineering Department, Kuwait University, Kuwait**  
**Assistant Professor**

- Teaching students at graduate and undergraduate level
- Instructing 28 general, chemical engineering and management courses
- Establishing the first AIChE students chapter in the MENA region
- Training of around 600+ engineers and professionals in management and engineering courses
- Establishing a link between the department and EQUATE
- Upgrading the course instructing techniques in chemical engineering designs
- Introducing Nuclear Engineering as an elective course to the curriculum
- Participating in 30+ different committees on government, university, college and departments level
- Authoring the unit operation lab manual and Co-authoring a book on social networking
- Consulting the KU administration on the university strategy
- Supervising 20+ graduate students in chemical engineering and management
- Establishing SYNERGY, the first complex network research group in the region
- Presenting in local and international conferences
- Awarded the best teaching award and best electronic course award.

**Apr.-Jun. 2006      Theoretical Chemistry Institute, University of Wisconsin, Madison, WA, United State of America – with Prof. Arun Yethiraj**  
**Visiting Professor**

- Integral formulation of Polyelectrolytes

Jun.-Aug. 2006 **Instituto de Física, Universidad Federal do Rio Grande do Sul, Porto Alegre, RS, Brasil** – with Prof. Marcia Barbosa  
**Visiting Professor**

- DNA charge reversal problem

Jul.- Nov. 2005 **Chemical Engineering Department, University of Auckland, Auckland, New Zealand**  
– with Prof. Mohammed Farid  
**Visiting Professor**

- Water Pinch analysis

1998 - 2000 **Chemical Engineering Department, Northwestern University, USA**  
**Teaching Assistant**

- Process Control
- Transport Phenomena
- Polymer Sciences and Engineering

1995 - 2000 **Chemical Engineering Department, Kuwait University, Kuwait**  
**Graduate Studies Scholarship**

- Chemical Engineering Thermodynamics
- Polymer Rheology and Polyelectrolytes Statistical Thermodynamics

1993 - 1995 **Desalination Department, Water Resources Division, Kuwait Institute for Scientific Researches, Kuwait**  
**Research Assistant**

- Assembling the seawater corrosion high and low pressure testing loops
- Assisting in several funded projects
- Operating the beach well Reverse Osmosis units together with RO team
- Upgrading and commissioning the seawater filtration unit
- Establishing, organizing and then supervising the Water Laboratory in DOHA RO plant
- Involving in the RO-MSF hybrid simulation
- Participating in several tendering committees
- Participating in two major projects as a task leader:
  1. Seawater Corrosion project
  2. RO-MSF Desalination Simulation project

1992 - 1993 **Chemical Engineering Department, University of Toronto, Canada**  
**Research Assistant**

- Iodine Reactions in Nuclear Power Plant Containment Building – simulation project.