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## **Saleh Al Hashemi**

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### **EDUCATION/QUALIFICATIONS**

June 2002	<b>Certified Financial Analyst, Level I</b>
May 2000	<b>Ph.D. Chemical Engineering, Tufts University: Age 24</b>
May 1998	<b>M.S. Chemical Engineering, Tufts University</b>
Nov 1995	<b>B.S. Chemical Engineering, Tufts University</b>

### **AWARDS**

Dec 2005	<b>Chairman of the Board Certificate of Appreciation: For "1<sup>st</sup> Energy 2030 conference"</b>
Dec 2001	<b>Sheikh Rashid Prize for Scientific Excellence</b>
1994	<b>Golden Key Honor Society</b>
1993-1994	<b>American Institute for Chemical Engineers Guppy Award</b>
1992-1993	<b>Tufts University Dean's Prize</b>

## WORK EXPERIENCE

May 2011- Present                      **Executive Director of Infrastructure and Environment sector at GSEC**

- Developed the Infrastructure and Environment Sector Strategy
- Implemented an oversight of the strategy with relevant Emirate Entities
- Developed    with the Executive council and oversaw the annual Capital Project Program
- Ran and oversaw the overall operation of the sector at the Executive council. Size of Portfolio over 1b dollars.
- Produced studies and advise when necessary to Executive Council Committees
- Drove some major improvements in the Energy Sector in the Emirate

May 2009 – May 2014                      **Board Member**  
    **Abu Dhabi Tawteen Council**  
    Abu Dhabi, UAE

- Regular Board member Duties
- Member of the Tawteen Council Audit committee

May 2009 - August 2011                      **Executive Director of Technical and Professional Education (TaPE)**  
    Abu Dhabi Education council, Abu Dhabi, UAE

- Developed the ADEC's strategy for Technical Education, in collaboration with major industries and Government entities with the Help of a consulting company
- Developed the structure of TaPE sector in ADEC in collaboration with other sectors.
- Oversaw Hiring of 30 % of the sector ( total 36 employees)
- Developed Human capital supply demand model for technical education, which will help in decision making for funding institutes
- Transferred documents and knowledge in a transition plan to the new Abu Dhabi Centre for Technical Education. ( 6 month process)
- Helped some industries through quick wins by providing scholarships based on their future HR requirements.
- Developed the private institute licensing process for the emirate of Abu Dhabi in coordination with various government agencies (centralization of the whole process)

May 2009 - Feb 2010                      **Managing Director of Emirates Foundation for Philanthropy**  
    Abu Dhabi, UAE

- Created a baseline of the foundation ( Looked at current structure and activities, Financing activities and spending growth, endowment growth vs. spending growth)
- Restructured some major contracts, and some methods of doing business, as some quick wins.
- Applied regular MD responsibilities

Sept 2008- May 2009

**Program Management Office**

Abu Dhabi Restructuring Committee, Abu Dhabi, UAE

- Analyze Strategic plans of entities
- Analyze, manage and direct various requests as directed by PMO head
- Championing the "Abu Dhabi Award for Excellence in Government Performance " for ADGSEC:
  - o Leading and overseeing with Draft writers/ Criteria owners to form submission
  - o Managing assessors during their visit
- Review of reviewing ADGSEC strategy
- Member in transforming entity's strategy from current format to Balanced Score Card format, BSC.

Sept 2001- Sept 2008 **Professor**

The Petroleum Institute, Abu Dhabi, UAE

- In addition to a teaching position; start and develop research projects pertinent to ADNOC's business; participate in research building and strategic projects; consulting to industry (municipality liquid hazardous treatment project, Resin plant project); Initiate and develop long term strategies with universities/ researchers.

May 2008- Sept 2008

**Founder and Director of CECARE**

Centre of Catalysis and Reaction Engineering

- Inter disciplinary Centre aimed at developing novel processes for the downstream Hydrocarbon industry and for the overall Oil and Gas sector
- Centre currently hosts 6 research students, 1 Research Professor and 1 Post Doctorate fellow under my direct management
- Only centre to attract funding of **\$ 2 mill.** From hydro processing companies

March 2006 - Sept 2008 **Chairman**

TAKREER R&D Centre, Abu Dhabi, UAE

- Centre will host services and applied research to support the business side of TAKREER refining company and will host fundamental research activities to support the Petroleum Institute's fundamental research interests.

May 2000 - Sept 2001

**Process Engineer**

Takreer Refinery, Ruwais, Abu Dhabi, UAE

- Commissioned and started up a condensate refining plant, optimized major heating units. Was on the team that studied the lube oil refinery project; involved in licensor qualification and selection;

Sept 1995 - Dec 1995

**Trainee Engineer**

Umm al Nar Refinery, Abu Dhabi, UAE

- Trainee at the plant operations department in the refinery.

July 1993 - July 1994 **Intern**

Aspen Technologies, Cambridge, MA, USA

- Testing software before launch.

**BOOKS OR CHAPTERS IN BOOKS**

- V. Eveloy, P. Rodgers, S. **Al Hashimi**, M. Ohadi & A. Gupta, (Eds.), *Proceedings of the First International Energy 2030 Conference*, Abu Dhabi: UAE, **2006**. ISBN : 9948-03-283-7
- M.B. Noureldin and A.S. Aseeri, Saudi Aramco, Dhahran, Saudi Arabia, and **S. Al Hashimi**, The Petroleum Institute, Abu Dhabi, UAE, "Reduce Green house gas emissions and gain carbon credits", *Hydrocarbon Processing*, Dec **2007** issue.
- PhD thesis published in article: "Simplify Calculations Chemical Reactions," by Jerry Meldon , Chemical Engineering Magazine, November **1999** Issue.

**SELECTED PUBLICATIONS**

- "Cultural and Linguistic Influences on the Force Concept Inventory: A Preliminary Study," C. Mealy, S. Al Hashemi, B.M. Olds, and R.L. Miller, Proceedings of the American Society for Engineering Education Annual Conference (electronic), Nashville, Tennessee, June 22-25, 2003.

- PhD thesis published in article: "Simplify Calculations Chemical Reactions," by Jerry Meldon , Chemical Engineering Magazine, November 1999 Issue.
- "Enhanced Waste Energy Recovery in a Polycarbonate Plant using Interval Constraint Satisfaction Based-Software," M. B. Noureldin, A. K. Hasan, A.S. Aseeri, A.H. Al Qahtini, S.H. Al Hashimi , Y. Al Abdulla Ain Shams University, Cairo, Egypt, February 7-9, 2006. Cairo, Egypt, February 7-9, 2006.
- "Enhanced Waste Energy Recovery Targeting Using Real-Time Energy Integration in Pulp and Paper Plant," M. B. Noureldin, S.H. Al Hashimi, A. K. Hasan, A.S. Aseeri, A.H. Al Qahtini, Proceedings of the American Society of Chemical Engineers Spring National Meeting, Orlando, Florida, April 23-27, 2006.

### PROJECTS/ACHIEVEMENTS

- Prepared a report review and proposal on the: "Hazardous Liquid Waste Treatment Plant", November 2003, client: Abu Dhabi Municipality
- Developed a Heterogeneous Catalysis lab at the PI suitable for research in the Hydrocarbon business and suitable for ADNOC's needs.
- Started up a centre for Reaction Engineering at the Petroleum Institute geared towards ADNOC's feed stocks and down stream ambitions
- Produce a study to increased waste heat utilization in ADGAS Das plant and found methods of improving LNG production rates during the summer at an estimated **2-6 %** of production capacity
- Co-Developed Technical University of Munich/ PI research collaboration
- Initiated and developing research collaboration between University of Minnesota, Twin cities and The Petroleum Institute.

### COMMITTEES

- ADEC HR committee 2009 - now
- **P-12 Steering Committee Feb 2011-now**
- Petroleum Institute Graduate Committee.

- Petroleum Institute Strategic Planning Committee.
- Petroleum Institute Promotion Committee.
- Petroleum Institute Female Intake Committee.
- Departmental Faculty Search Committee.
- Faculty Advisory Committee.
- Behavioral Competencies Committee.
- "Energy 2030" organizing committee; [www.energy-2030.com](http://www.energy-2030.com)
- International Conference on Modeling, Simulation, and Applied Optimization, organizing committee, "ICMSAO 2007"

#### **COURSES ATTENDED**

- Balanced Score Cards: March **2009**
- Project management: February **2009**
- Private Public Partnerships, January **2009**
- EFQM Assessors Training, Abu Dhabi, Dec **2008**
- How efficient is your Process? Setting Design and operational Targets, April **2007**
- Economic Evaluation and Investment Decision Methods, Colorado School of Mines July **2003**
- Process Modeling using HYSYS®: July **2005**
- Petroleum Refining Processes, Institute France du Petrole, **2001**
- A string of accounting courses.

#### **MEMBERSHIPS**

- **UAE CFA Society**
- **AICHE**

- **ASME**
- **Golden Key Honor Society**

### **LANGUAGES**

- **Arabic** (Native language).
- **English** (Speak Fluently, Read/Write with high proficiency).

### **COMPUTER SKILLS**

- MAT Lab, Fortran, Windows, MS Word, MS Excel, MS PowerPoint.

**IN A NUTSHELL ...**

I have a solid background in Finance and Accounting. I have taken all the courses that qualify me for the CPA exam and have passed level I of the CFA exam. I think that knowledge complimented by solid engineering background and really allowed me to look at things from a different perspective.

I, therefore, for example look at research & development from an Entrepreneurial point of view and am always thinking of value-added activities through out my daily work and thought process. I am forward thinking, take initiatives and more importantly deliver

I am also a very active member socially and allocate the appropriate time for my social duties in Abu Dhabi.

I am keen, shrewd and bring to the table a high level of energy.

In a nut shell, I am a fast learner, hard worker, and am motivated by challenges.



## **REFERENCES**

*Available Upon Request*