

## Rahmat Sotudeh-Gharebagh, PhD, P.Eng.

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Iranian citizen (born in Urmia)

### Executive Positions

<i>Dec. 2016- to date</i>	<b>Acting Vice President (VP) - Research and Dean of Applied Research Office, University of Tehran (UT), IRAN</b>
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Main achievements (reporting to VP and UT Board of Administration):

1. Establishing R&D partnerships with industry, private and public sectors
2. Overseeing and monitoring UT national and international research contracts (>1000 projects)
3. Managing UT research centers, teams and groups (>80 centers)
4. Providing scientific expertise to public sector
5. Coordinating the corporate scientific development team
6. Monitoring United Nations Educational, Scientific and Cultural Organization (UNESCO) Chairs and Center of Excellences at UT

<i>Dec. 2010-Dec. 2014</i>	<b>Chief Executive Officer (CEO) of Standard Research Institute (SRI) affiliated to Iranian National Standards Organization (INSO) member of International Organization for Standardization (ISO), Tehran, Iran</b>
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Main achievements (reporting to SRI Board of Trustees):

1. Designed and implemented the scientific development strategy and policy
2. Established R&D partnerships and ventures with industry, academia and government
3. Maintained and monitored R&D strategies, policies and initiatives for national and international standards development
4. Recruited over 65 faculty members for SRI scientific departments aiming to develop national and international standards
5. Developed a strong network of influencers in academia on standardization
6. Supervised and coordinated the corporate scientific development team
7. Provided scientific expertise for INSO programs
8. Delivered the plenary, and invited lectures country-wide as INSO high level representation
9. Represented INSO in international ISO related events
10. Chaired various council meetings
11. Coordinated and followed up on assessments of experts' to ensure quality completion of Individual Development Plans (IDP)
12. Managed "Iranian Scientific Laboratories Network" with Ministry of Science, Research and Technology Country-wide
13. Supervised Reference Laboratories of INSO
14. Acted as the member of INSO Administration Board

<b>Mar. 2008 – Oct. 2010    Acting VP – Research and Dean of Applied Research Office-UT, IRAN</b>
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Main achievements (reporting to VP and UT Board of Administration):

1. Established *R&D* partnerships and ventures with industry, private and public sectors
2. Oversaw and monitored *UT* national and international research contracts (>800 projects)
3. Managed *UT* research centers, teams and groups (>60 centers)
4. Provided Scientific expertise to public sector
5. Supervised and coordinated the corporate scientific development team
6. Delivered the key note lectures country-wide as high level representation of *UT*
7. Monitored Center of Excellences at *UT*

<b>Mar. 2002 – Oct. 2004    Deputy CEO – Research, Development and Training, Glucosan, IRAN</b>
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Main achievements (reporting to CEO and Board Members):

1. Established *R&D* partnerships and ventures with universities and United Nations Industrial Development Organization (*UNIDO*)
2. Managed all research, development and technology contracts
3. Provided Scientific expertise to Board Members
4. Supervised and coordinated the corporate scientific development team

## Academic Positions

<i>Oct. 2008- to data</i>	<b>Professor of Chemical Engineering</b>	<b>University of Tehran, Iran</b>
<i>Jan. 2002- Dec. 2008</i>	<b>Adjunct faculty of Bio-system Engineering</b>	<b>University of Tehran, Iran</b>
<i>Jun. 1999- Oct. 2008</i>	<b>Assistant, Associate Professor of Chemical Engineering</b>	<b>University of Tehran, Iran</b>
<i>Sep. 2006-Aug. 2007</i>	<b>Visiting Associate Professor of Chemical Engineering</b>	<b>Qatar University, Qatar</b>
<i>Sep. 1987- Dec. 1991</i>	<b>Researcher -Academic Center for Education, Culture and Research (<i>ACECR</i>)</b>	<b>Sharif Univ. of Tech., Iran</b>

Main achievements

1. I have initiated and managed research Labs, *R&D* partnerships with industry. My work spanned from fundamental to applied research with Technology Readiness (level 1 to 3). I am also the key player in a multi-disciplinary research.
2. I have supervised 96 postgraduates (postdoctoral fellows, *Ph.D* and *M.Sc* students) and mentored over 87 senior projects for undergraduate students.
3. I have taught over 15 different courses at *UT*, Qatar University (*QU*) and Department of Bio-system Engineering and executed number of industrial projects with industrial and public sector.
4. I have served as a member of the *Recruitment Committee* (2000-2007, 2010-2017) and *Graduate Studies Committee* (2000-2007) of the Department of Chemical Engineering, the *Graduate Studies Committee* of the college of Engineering (1999-2002), Chemical Engineering Department *Vice Chairman for Graduate Program* (1999-2002), Founder and Executive Director of *Pharmaceutical Engineering Program* (developed new syllabuses) with college of Pharmacy (2000-2004), Founder of and director of *Process Design and Simulation Lab*, co-founder of *Multiphase Flow Lab*, Board member of the *Center of Excellence for Oil and Gas* (2005- ), Director of *Technical Training Office* of the Department of Chemical Engineering (2003- 2005) and member of the *Research Council of the University* (2008-2010, 2015-). All works conducted in *UT* are in close collaboration with Professor Navid Mostoufi and Dr. Reza Zarghami. I have also scientific collaborations academic world (i.e., *TU/e*, Polytechnique de Montreal, *UTC* (France), *METU* (Turkey), Malaysia).

## Productivity and Editorship

### Productivity

1. 40 Plenary, keynote or invited lectures
2. 165 Peer-reviewed journal articles
3. 4 Chapters in multiple authors books and 4 Books
4. 112 Articles in conference proceedings
5. >200 Industrial short courses in process design and simulation using wide variety of industrial process simulators

### Editorship

1. Chemical Product and Process Modeling (CPPM), Founder and Editors-in Chief, DE GRUYTER, Germany, <http://www.degruyter.com/view/j/cppm>, (2006-to date)
2. Journal of Industrial Tech. Development, Editor-in-Chief, <http://jtd.iranjournals.ir>, (2009-2012)
3. UT Bio System Engineering, Member of the Editorial Board (2013-to date)

## Entrepreneurship and Consulting Activities

1. Co-Founder of *KFF* Consultant Inc. (*Sep. 2008- Mar. 2018*), *KFF* was involved in technology management, techno-economics analysis and advanced process engineering, Selected customers included *Temad Co. Arastoo Pharmaceuticals, Chagalesh Co.*
2. Top Advisor to *CEO, Fouman Chimie Industrial Co.*, <http://www.foumanchimie.com/en/>, (2015-2017)
3. International Consultant (Reg. number. 1802), *CECON LLC*, Since 2011, USA, <http://www.cecon.com/>
4. Member of Scientific Committees for Methanol, *Petrochemical Research and Technology Co.* (2000-2003)

## Service to the Scientific Community

1. Member of Board of Trustees, *ACECR Educational Institute (2012-2016)*
2. Member of Faculty Promotion Council, Iranian Research Organization for Science and Technology, Ministry of Science and Research (2017-to date)
3. Member of Promotion Council, Univ. of Applied Science and Technology (*UAST*) (2017-to date)
4. Chair of Industrial Committee of the Promotion Council, *UAST* (2017-to date)
5. Board member of Iranian Association of Chemical Engineers (*IAChe*), (elected) (2013-2018)
6. Member of Administration Board, Alborz College, University of Tehran, (2013-2015)
7. Member of Promotion Committee, Universiti Malaysia Terengganu, Malaysia, (2010-2013)
8. Chairman of Tehran Universities' Applied Research Council (elected) (2008- 2012)
9. Co-organizer of the process Design Symposium (August 2009, Montreal), 8<sup>th</sup> World Congress of Chemical Engineering
10. Editorial: Special Issue of 8<sup>th</sup> World Congress of Chemical Engineering (WCCE 8) Symposium on Process Design, <https://doi.org/10.2202/1934-2659.1464>
11. Chair of Organization Committee (2016-2018) and Executive Secretary (April 2017), Honoring Ceremony for Mr. Engineer. Abbas Mousavi Rahpeyma, University of Tehran, ~1200 participant, largest and most successful event ever organized. (Mr. Mousavi has acquired the land, designed, built and donated the Fouman Faculty of Engineering to the University of Tehran, due to the generous gift to his *alma mater*, this ceremony has been organized by *UT Foundation*, *Fanni Foundation*, Iranian Association of Chemical Engineers (*LAChe*), Iranian Association of Polymer and Chemical Engineers (*APCHEN*), College of Engineering Alumni, *YAVARI Cultural Foundation*. He is a serial entrepreneur, engineer and executive focused on creating self-sustaining companies and innovative products helping oil and chemical industries since 1962)

## Fellowships and Awards

1. University of Tehran's International Award, 2015
2. Nomination for Allameh Award, *Iran National Elite Foundation*, 2015, (Distinguished scientists and the most influential in the country from different fields are nominated annually on a highly competitive basis for this Award, awarded to 140 scientists)
3. Distinguished Professorship Award, (APCHEN), 2016.
4. Allameh Tabataba'i's Research Chair, *Iranian National Science Foundation*, (2015-2018)

## Diplomas, Certificates and Licenses

1. P. Eng. License, Official Expert Organization of Iran– Reg. number: 6927 (2016)
2. Ph.D in Chemical Engineering, Polytechnique de Montreal, Canada (1999)
3. M.Sc. in Chemical Engineering, Polytechnique de Montreal, Canada (1994)
4. Certificate in Petroleum Engineering, Petroleum University of Technology joint Program with United Nations Development Programme (*UNDP*), Ahvaz, Iran (1990)
5. B. Sc. in Chemical Engineering, Sharif University of Technology (1987)

## Languages

1. English, French: Fluent
2. Persian, Azeri: Mother tongue
3. Arabic, Turkish: Basic