

MOJTABA REZAEI

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EDUCATION

Eindhoven University of Technology, Eindhoven, Netherlands

Master of Science in **Chemical and Process Technology**, GPA: 8.54/10

University of Tehran, Tehran, Iran

Bachelor of Science in **Chemical Engineering**, Sep 2011, GPA: 17.38/20

ACADEMIC EXPERIENCE

University of Tehran, Chemical Engineering Department, Tehran, Iran

B.Sc. Theses Assistant Supervisor, 2013–2014

- Counseling several B.Sc. theses in Natural Gas Processing Area

Invited Lecturer, 2012

- Teaching a 12-hour short course on “LNG and NGL Recovery Technologies Selection” to undergraduate senior gas processing students of the University of Tehran

Teaching Assistant, Processes of Gas Industries, Undergraduate course, 4 Semesters, 2011-2014

- Lecturing, Tutoring, Provision of support in preparation of exam questions, Exam execution, Marking students' paper

Teaching Assistant, Processes of Gas Industries, Graduate course, 1 Semester, 2013

- Tutoring, Provision of support in preparation of exam questions, Exam execution, Marking students' paper

Teaching Assistant, Application of Math in Chem. Eng., Undergraduate course, 1 Semester, 2011-2012

- Teaching students how to apply numerical methods to Chem. Eng. Problems via modeling in MATLAB environment

Teaching Assistant, Computer aided Process Simulation, Undergraduate course, 1 Semester, 2011-2012

- Facilitating workshops for students' use of ASPEN HYSYS software

Teaching Assistant, Unit Operation II, Undergraduate course, 1 Semester, 2011-2012

- Tutoring

Teaching Assistant, Gas Transmission & Distribution, Undergraduate course, 1 Semester, 2011

- Tutoring, Provision of support in preparation of exam questions, Exam execution, Marking students' paper

ACADEMIC PROJECTS

Eindhoven University of Technology, Eindhoven, Netherlands

- M.Sc. thesis titled “**Kinetic Investigation of Methanol to DME over ZSM-5 and γ -Al₂O₃ Catalysts**” under supervision of Professor Volker Hessel and Professor Gunther Kolb. November 2015-August 2016
- Course Project, “**Plant design and cost estimation of methanol synthesis from syngas**”, Advanced Separation Tech., June 2015

University of Tehran, Tehran, Iran

- B.Sc. thesis titled “**Modeling, Simulation, and Optimization of C3MR LNG Process**” under supervision of Prof. Ali Vatani and Dr. Saeid Mokhatab, February 2011- July 2011
- Course Project, “**Conceptual design of solar dual purpose Power/Desalination plant**”, Process Design, December 2010

PROFESSIONAL EXPERIENCE

Arman Energy Maad (ARENMAAD) LLC, Tehran, Iran

Process Engineer, 2011-2014 (Part-time)

- Responsibilities: Equipment design, Preparation of technical documents and reports, Process simulation
- Project: Bandar Abbas Gas Condensate Refinery

Oil Turbo Compressor (OTC) Group, Tehran, Iran

Technical Advisor, Research and Training Center, 2012-2015

- Responsibilities: Provision of counsel in the area of courses, their syllabuses, and their requirements

Project Engineer, 2012-2013 (part-time)

- Responsibilities: Preparing Closeout Report & Lesson Learned
- Project: Sarajeh gas injection compressor station

Industrial Internship, 2011

- Function manager for software development team

PROFESSIONAL AFFILIATIONS

- American Institute of Chemical Engineers (AIChE)
- Iranian Gas Institute (IGI)
- Alumni association of Eindhoven University of Technology
- Alumni association of Faculty of Engineering of the University of Tehran

PUBLICATIONS

- *Natural Gas Liquefaction Process Selection: Onshore and Offshore*, A. Vatani, M. Rezaei, S. Mokhtab, paper presented at the 1st Iran LNG Conf., October 2011, Tehran, Iran
- *The need for Scientific Development in the Field of the Largest Energy Source*, M. Rezaei, Energy Manifest Journal, Pre-Vol., July 2011

HONORS AND AWARDS

- Graduated "With Great Appreciation" with M.Sc. in Chemical and Process Technology, Eindhoven University of Technology, The Netherlands, 2016
- ALSP full scholarship, Eindhoven University of Technology, The Netherlands, 2014-2016
- Accepted for M.Sc. program as a Talented Student Awardee with full scholarship (declined), University of Tehran, Iran, 2011
- Ranked 1st among over 100 students in Chemical Engineering Department of University of Tehran at 4th year (GPA: 19.00/20) [4-years overall rank: 8th]
- Top 1% in Iran National Universities Entrance Examination (Admitted for B.Sc. with a full scholarship)

CERTIFICATION

ACADEMIC

- Experimentation for Improvement, McMaster University on Coursera, December 2015
- Individual Development Plan for Young Specialist, Joint collaboration of University of Tehran and Oil Turbo Compressor (OTC) Group, Tehran, Iran, October 2013
- *Introduction to Computational Fluid Dynamics*, University of Tehran, February 2012
- *Enhanced Oil Recovery and Its Importance in Oil and Gas Industries*, University of Tehran, December 2011
- *Gas Processing Plants Design Workshop*, University of Tehran, January 2011
- *Training course in Gambit and Fluent*, University of Tehran, February 2010

INDUSTRIAL

- *Turbo Compressor Basic Training*, Oil Turbo Compressor Group, Tehran, Iran, January 2013
- *Planning (PMBOK 4th Edition 2008)*, Oil Turbo Compressor Group, Tehran, Iran, July-September 2012
- *Individual Development Plan (IDP)*, Oil Turbo Compressor Group, Tehran, Iran, December 2012
- *Gas Station Design*, Oil Turbo Compressor Group, Tehran, Iran, October 2012
- *Documentation of the Gas Stations Projects*, Oil Turbo Compressor Group, Tehran, Iran, July 2011
- *Gas Station General Training*, Oil Turbo Compressor Group, Tehran, Iran, August 2010
- *P&ID Training Course*, Oil Turbo Compressor Group, Tehran, Iran, November 2010

SOFTWARE PROFICIENCY

Engineering

Aspen Hysys (Advance), *Matlab* (Intermediate), *Steady State OLGA* (Intermediate), *Pipe Phase* (Intermediate), *PVTsim* (Beginner), *Gambit*, and *Fluent* (Beginner)

Graphics Design

Adobe Photoshop (Advance), *Serif Web Plus* (Advance), *Corel Draw* (Intermediate), *Design Affinity* (Intermediate)

General Applications

Microsoft Office -*Word* (Advance), *PowerPoint* (Advance), *Excel* (Intermediate), *Access* (Intermediate) –

LANGUAGE PROFICIENCY

English: Fluent

French: Beginner

Dutch: Beginner

Persian: Native

REFERENCES

References Available Upon Request