

# CURRICULUM VITAE

M. HOSEIN ABBASI

## Personal Information

<i>Surname</i>	Abbasi
<i>Name</i>	Mohammad Hosein
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## Education

<b>2013-2015</b>	<b>M.Sc. in Mechanical Engineering - Energy Systems</b> K. N. Toosi University of Technology, Tehran, Iran
<i>Dissertation Title</i>	Optimal Designing of a Residential Combined Cooling, Heating and Power Generation System (CCHP) in Different Climates
<i>Overall GPA</i>	16.20 (81%)
<b>2007-2012</b>	<b>B.Sc. in Mechanical Engineering</b> University of Zanjan, Zanjan, Iran
<i>Dissertation Title</i>	Designing and Procurement of a Novel Brazing Technology for Joining Powder Metallurgy Components, W-Cu to Al-Cu
<i>Overall GPA</i>	14.92 (75%)

## Work Experiences

<b>2017-2018</b>	<b>Arta Negahe-nou Institute</b>
<i>Job Title</i>	<b>Project Manager</b>
<i>Description</i>	Negahe-nou research institute is an accelerator and CVC, aims to support startup communities and early-stage companies. Providing teams with technical and tactical guidance, developing institute's strategic plan, and defining key metrics, deliverables and outcomes for projects were my main activities in Negahe-nou.
<i>Website</i>	www.persianelites.com
<b>2015-2017</b>	<b>Dana Energy and Industry Innovators Company (DENIICO)</b>
<i>Job Title</i>	<b>Mechanical Engineer</b>
<i>Description</i>	Deniico set out as a consortium of trusted and experienced Russian and Iranian companies in the field of renewable energies, sustainable energy systems, and DGs. Along with the membership in Deniico's R&D team, I was in charge of energy auditing projects.
<i>Website</i>	www.deniico.com

**2012-2014 Pars Marine Industry Company (PMC)***Job Title* **Mechanical Design Engineer***Description* PMC is a leading company in performing EPC projects in Oil & Gas (Offshore/Onshore) industries. My main responsibilities in this team were comprised of preparing technical documents, coordinating contract submittals, and designing and analyzing steel structures.*Website* www.parsmarineco.com**2008-2011 Yaradan Sanat Company***Job Title* **QC Technician (part-time)***Description* Yaradan Sanat is a manufacturer company specialized in electrical disconnectors, earth switches, electrical equipment, and switchboards. I started the work in Yaradan as a trainee and then I took a position as a QC technician for about two years.*Website* www.yaradanco.com**Computer Competence**

<i>Mechanical and Energy Engineering Software</i>	○ Proficient user of	DesignBuilder SolidWorks COSMOS CATIA
	○ Independent user of	Carrier-HAP AutoCAD Expert-Choice
	○ Basic user of	PVElite LEAP ANSYS
<i>Programming General</i>	○ Independent user of	MATLAB
	○ Competent working knowledge of windows and MS office	

**Language Proficiency**

<i>MotherTongue</i>	○ Persian, Turkish
<i>Other Languages</i>	○ English: Fluent
	○ Arabic: Basic

**Publications**

- 2018 Abbasi, M. H., Sayyaadi, H., "A methodology to obtain the foremost type and optimal size of the prime mover of a CCHP system for a large-scale residential application". Applied Thermal Engineering (2018)
- 2015 Abbasi, H., Tahmasebzade, M., Sayyadi, H., "Designing, Optimization, and Determining the Capacity of the Combined Cooling, Heating and Power Generation System, Based on MCFCs", 1<sup>st</sup> National Conference on Modern Engineering Design, Semnan, Iran

- 2014 Abbasi, H., Mahdavi, Sh., Riazi, F., “Energy Auditing and Comparative Analysis of Energy Saving Strategies in Educational Buildings”, 8<sup>th</sup> Conference on Mechanical Engineering (ISMESTU-2014), Rasht, Iran

### ***Notable Projects & Experiences***

- 2017 Reviewer of the International Journal of Energy
- 2017 Developing energy management scenarios for commercial buildings
- 2015 A Study on different methods of water desalination systems and exergoeconomic analysis of MSF and MED systems
- 2015 Designing a Mesh Belt Type Sintering Furnace and structural and thermal analysis of its performance
- 2013 Mechanical designing of anti-corrosion and chemical injection packages, used in gas refineries

### ***Conferences & Workshop Attended***

- 2016 A training course of DesignBuilder simulation, Certified By DesignBuilder Ltd., Tehran, Iran
- 2016 Training course of requirements and documentation of ISO9001, quality management system
- 2015 The 1<sup>st</sup> National Congress on Modern Engineering Design, Semnan, Iran
- 2014 The 8<sup>th</sup> Annual Student Conference on Mechanical Engineering, Rasht
- 2011 SolidWorks advanced course, Eshragh technical institute, Zanjan, Iran
- 2009 Introductory course of CATIA, Tehran technical institute, Tehran, Iran

### ***Honors & Awards***

- 2014 M.Sc. thesis received funding from Iran Fuel Conservation Company
- 2012 Ranked among top 5% out of 11000 participants in the nationwide entrance exam in Mechanical and Energy Engineering
- 2011 Ranked 2<sup>nd</sup> in the provincial competition of Computer-Aided Designing (CAD), University of Zanjan, Zanjan, Iran
- 2007 Ranked among the top 2% in the national university entrance exam for B.Sc. studies among approximately 340,000 participants

### ***Volunteering & Extracurricular Activities***

- 2015-present Volunteer member of *Mehraneh* charity group, a nonprofit organization dedicated to helping cancer sufferers
- 2014 Membership and cooperation in “*Art and Experience*” cinema group
- 2010-2012 Executive member of the film & photography student clubs

### ***Interests and Activities***

- Reading, Cinema, Photography, Football