

Mohsen Khorasany

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Personal Information:

Gender: Male
Date of Birth: 24th July 1988, Tehran - IRAN
Marital Status: Single

Education:

- **M.Sc. in Power Engineering**
Shiraz University, Shiraz, IRAN, September 2010, Expected in September 2012.
Cumulative GPA: 17.25 / 20.
- **B.Sc. in Power Engineering:**
Shahid Beheshti University (*former* Iranian National University), Tehran, IRAN,
September 2007 - August 2010.
GPA: 16.01 /20.
- High School
Shahid Motahhari, 2002-2006. GPA: 18.30 / 20.

Honors:

- Ranked **1150** among about half a million competitors for National Entrance Exam of Universities (Konkoor) (2006).
- Ranked **350** for Entrance exam of Masters degree.

Thesis:

M.Sc. Thesis: Bidding Strategy of Virtual Power Plant for Participation in Energy Market
Considering Uncertainty of Generation and Market Price
Supervisor: Dr. Raoofat
B.Sc. Thesis: Brushless Dc Motor Control Method.
Supervisor: Dr. Afjeyi

Research Interests:

- Renewable Energy
- Wind Energy
- Solar Energy
- Virtual Power Plant
- Power Market
- Medical field

Research Experience:

- “Protection of Ring Distribution Networks with Distributed Generation Based on Petri Nets”
, Proceedings of the 4th International Conference in Sustainability in Energy and Buildings
(SEB’12) Volume 22, 2013, pp 281-288, DOI: 10.1007/978-3-642-36645-1_26
- “PEMFC Modeling Considering Destructive Signal and Design Adaptive Filter”, Proceeding
of IJAEEE Volume 1, Issue 2, Sep 2012, DOI: 10.3850/978-981-07-2683-6.

- “Bidding Strategy for Participation of Virtual Power Plant in Energy Market Considering Uncertainty of Generation and Market Price” has been submitted for publication in the IEEE Transactions on Sustainable Energy.
- “Designing an Optimum Adaptive Filter to Reduce Effects of Destructive Signal in SOFC Modeling” has been submitted for publication in EMIE conference in India.
- “Determination of the Optimal Location and Sizing of DGs in Radial Distribution Network Using Artificial Bee Colony Algorithm” has been submitted for publication in Int. J. of Network Security.

Work Experience:

- **Technical Expert**
Falat Company, Bandar Abbas Gas Condensate Refinery Project, from 2011 to now.
- **University Teacher**
Islamic Azad University Of Fiuzkooh, Iran, 2010-2011.
- **Technical Expert**
Sepanir Company, South Pars, Phases 15 and 16, Asalouie, Summer 2009 and 2010.
- **Technical Expert**
Darya Sahel Institute, Abgire Ghadir, Asalouie, Summer 2008.
- **Executive Expert**
HAIER Engineering Company, Petroshimi Arya Sasol, Asalouie, Summer 2007.

Selected Projects:

- BLDC drive control without sensor.
- Simulation of Asynchronous, Synchronous, BLCD and DC machines with MATLAB.
- Simulation of steam and water plant and cotroller`s with MATLAB
- Design of PSS with genetic algorithm
- Programing load flow for a distribution network consisit of DG

Workshops:

- Energy Management Workshop, Shiraz University (2011).
- Renewable Energies Workshop, Shahid Beheshti University (2010).

Computer Skills:

- PSCAD, DIGSILENT, Power Station, ETAP, SYME, Power World, PSAF.
- Computer programming Languages: C, Pascal.
- Simulation tools: Orcad, Electronic Workbench, PSpice.
- Design automation tools: ISE (Xilinx).
- Algorithm development environments: MATLAB(Parallel Computing, State Chart, Simulink).
- PC-based tools: AutoCAD, Microsoft Office.

Licenses:

- ✓ MATLAB credential with excellent result from *Technical & Vocational Training Organization*.

Other Skills:

- Installing F&G Systems.

Some relevant grades:

- Power Quality (18 / 20).
 - Power Electronics (18.5/ 20).
 - Relay and Protection (17/ 20).
 - Differential Equations (19.5 / 20).
 - Mathematics II (18.5 / 20).
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Activities:

- Active Member of *Sabbat Magazine and Science Group* 2006-2010.

Language Skills:

- Farsi (Native Language)
- Arabic (limited)
- English (Advanced)

Sports:

- Ping Pong
- Mountain Climbing

Art

- Decorator
- Photography

Hobbies:

- Watching films
- Reading Novels