

Elin Markarian

Nationality: Iranian

Date of birth: 24 Oct. 1993

E-mail: markarian.elin@gmail.com

Education

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| 2016-2018 | <ul style="list-style-type: none">• M.Sc. Mechanical Engineering,
Islamic Azad University, Tehran-South branch); GPA: 18.56
Thesis title: Multi-objective optimization of energy performance of a building considering different configurations and types of PCM |
| 2012-2016 | <ul style="list-style-type: none">• B.Sc. Mechanical Engineering,
Islamic Azad University, Tehran-South branch; GPA: 17.39
Thesis title: Wind energy potential and economic assessment of four locations in Sistan and Balouchestan province in Iran |

Experience

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| 2018-present | English Language Instructor at Iranmehr institute |
| 2019-present | DesignBuilder instructor |
| 2015-2016
(six months) | HVAC TRAINEE: Namvaran, Tehran (Iran)
As a trainee I worked in a team to prepare engineering drawings and documents. I became familiar with engineering design processes and documents in oil and petroleum industry. |

Publications

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| Journal | <ul style="list-style-type: none">• Multi-objective optimization of energy performance of a building considering different configurations and types of PCM (<i>E. Markarian and F. Fazelpour</i>)
Journal: <i>Solar Energy</i>• Optimization of wind farm layout considering wake effect and multiple parameters (<i>S. Markarian, F. Fazelpour, E. Markarian</i>)
Journal: <i>Environmental Progress and Sustainable Energy</i>• Impact of building design parameters precision on heating and cooling load calculations (<i>S. Abbasnejad, N. Soltani, E. Markarian, H. Fakhim, H. Khezerlou</i>)
Journal: <i>Environmental Progress and Sustainable Energy</i>• Wind energy potential and economic assessment of four locations in Sistan and Balouchestan province in Iran (<i>F. Fazelpour, E. Markarian, N. Soltani</i>)
Journal: <i>Renewable Energy Journal</i> |
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Conference

- **Impact of multiple parameters on energy performance of PV-DSF buildings** (*F. Fazelpour, N. Soltani, E. Markarian, H. Khezerloo*)
- **DSF Energy Performance Assessment Considering Different Climatic Regions of Iran and Design Parameters** (*F. Fazelpour, E. Markarian, N. Ziasistani*)

Technical skills

DesignBuilder; AutoCAD; PVSyst; PVSOL; Python (*in progress*)

Languages

- Armenian (mother tongue)
- Persian (native)
- English (Full professional proficiency)

Interests, activities, and sports

- Playing the piano
- Books
- Swimming

Research interests

- Building energy performance and simulation
- Zero energy buildings
- Building envelope performance
- Renewable energies (in particular solar and wind)

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May 2021