



Nima Bahrami

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Nima Bahrami
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Research Interests

- Renewable Energies
- Energy Economics
- Smart Energy Management
- Blockchain Based Energy Networks
Energy Systems Optimization

Education

2013

Diploma in Mathematics and Physics Discipline, Prof. Reza Highschool, Rasht, Iran, GPA - 19.18/20.

2013-2017

B.Sc., Mechanical Engineering, University of Guilan, Rasht, Iran, GPA - 15.19/20.

2018-2020

M.Sc., Mechanical Engineering, Energy Conversion, Energy Systems, Iran University of Science and Technology, Tehran, Iran. GPA - 16.49/20

Selected Courses: Fuel and Combustion (19.5/20), Energy Systems (19.25/20), Seminar (19.75/20)

Publications

In Press

- N. Bahrami and S. Ghandehariun, **Using Machine Learning Algorithms to Predict Water Evaporation of Ponds**

In Press

- N. Bahrami and S. Ghandehariun, **Designing a Multi-Generation Hybrid Power Station for An Ecotourism Residence**,

In Press

- N. Bahrami and S. Ghandehariun, **Waste-Energy Management and Optimization of A Hybrid Power Station Using PCM**

Volunteering Activities

- Member of Imam Ali Popular Student Relief Society (IAPSRs)

Teaching Experiences

Jul 2015

Physics, Teacher, Ghalamchi Institution, Rasht, Iran.

Working Experiences

Internship

- Radiator Casting and Assembly Section, Iran Radiator Company, Rasht, Iran

Internship

- Guilan NGCC Power Plant, Rasht, Iran

Internship

- Hamedan Solar Farm, Hamedan, Iran

Notable Projects

- Designing a Hybrid FPV-Wind-Hydro Power Station, Master's degree thesis, Sep. 2019 - Present
- Designing a Floating Mechanism for Photovoltaic Panels to Increase Thermal Efficiency, Apr. 2019 - June 2019
- Thermal Design and Analysis of Smart Camera Casing, Padideh Merila Knowledge enterprise, Jan. 2019 - Feb. 2019
- Design and Manufacturing 3-DOM Camera Slider for shooting Time-lapse Videography with the ability to focus on an object. Bachelor's degree thesis, Supervisor: Dr. Reza Jamilnia, Feb. 2017 - Aug. 2017
- Designing A New Strategy for Implementing Blockchain Technology In Energy Sector In Order to Reduce Household Power Consumptions by Monetary Incentives, Mapna Industrial Group, Jul. 2020

Technical Skills

[Github Repository](#)

Programming

Python

MATLAB

Javascript

HTML

CSS

R

Eng. Soft.

PVSyst

HOMER

OpenLCA

Catia

Solidworks

Excel

Energy Plan

ROSA

Languages

- Persian: native
- English: Fluent

Hobbies

Sports: Soccer, Squash (Pro), Volleyball, Skate (Pro & Gold Medal)
Others: Movies, Music, Web Design, Podcasting, Collage Art