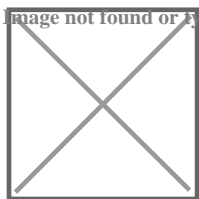


Hossein Gharibvand



PhD Candidate
Amirkabir University of Technology(AUT)
(Tehran Polytechnic)

Biography: Born in 1997, I earned my B.Sc. degree in Electrical Engineering from Shahid Beheshti University in 2019, followed by an M.Sc. in Power Engineering from Amirkabir University of Technology (Tehran Polytechnic) in 2021. My main research interests focus on Energy Systems, Integrated Energy Networks, Smart Grids, Distributed Generation, Renewable Energy Sources, Green Hydrogen, and Energy Flexibility. I completed my PhD in Power Systems at Amirkabir University of Technology in June 2025, graduating with honors.

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PhD

Amirkabir University of Technology (AUT), Tehran Polytechnic

Thesis Title: Modelling and Improvement of Energy Flexibility in nZEDs Based on Green Hydrogen

Gharibvand, Hossein (PI), B. Gharehpetian, Gevork (Supervisor), Anvari-Moghaddam, Amjad (Supervisor)

Description

Considering
the
Finished
08/09/2021 ? 23/09/2021

of
fossil
fuels
and
MSc
their

environmental
Amirkabir University of Technology (AUT), Tehran Polytechnic

especially
Thesis Title: Modelling and optimization reverse osmosis desalination powered by floating photovoltaic power plant for
in coastal areas and islands

the
field
Ghanjvand, Hossein (PI), Riahy Dehkordi, Gholam Hossein (Supervisor)

of
global
warming;
to

provide
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20/09/2021 ? 23/09/2019

energy,
sustainable,
non-
polluting
or

BS
very
low

Shahid Beheshti University (SBU)
sources

Thesis Title: Designing a renewable energy-based electrical system using HOMER software
needed.

Ghanjvand, Hossein (PI), Sedighizadeh, Mostafa (Supervisor)

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20/09/2019 ? 23/09/2015

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Teaching
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However,

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Publication
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Journal Papers
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Conference Papers

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Books

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Patents

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Industrial Projects

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Management/Administration Jobs

Scientific Societies

Awards