PERSONAL INFORMATION

Aran Shoaei

POSITION   :ALUMNUS

Gender: male
Birth date: May, 21, 1997
Nationality: Iranian

EDUCATION AND TRAINING

- B.Sc in Power Electrical Engineering at K.N.Toosi University of Technology
2015 - 2019
Top student in bachelor's degree (17.49).
Thesis title: Design and construction of a single-phase common ground boost
inverter for renewable energy systems application

- M.Sc in Power Electrical Engineering at K.N.toosi university of technology.
2019 - 2021
Field of Study: Multi-Input Multi-Output DC-DC Converters
Thesis title: A Single-Inductor Multi-Input Multi-Level High Step-Up DC-DC
Converter Based on Switched-Diode-Capacitor Cells for PV Applications
Top student in master's degree (18.17).

PUBLICATIONS

- A. Shoaei, K. Abbaszadeh and H. Allahyari, "A Single-Inductor Multi-Input Multi-Level High Step-Up DC-DC Converter Based on Switched-Diode-Capacitor Cells for PV Applications," in IEEE Journal of Emerging and Selected Topics in Industrial Electronics, doi: 10.1109/JESTIE.2022.3173178.

RESEARCH INTEREST·

- Multi-Input Multi-Output DC-DC Converters
- Power Factor Correction
- High Step-Up DC-DC Converters
- Linear and Non-Linear Control of Power Converters
- Soft Switching Converters

CONTACT INFORMATION

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