

Javanshir Fouladvand

CV



Address: Zusterlaan 256,
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Date of Birth: May 23rd, 1990

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Website: www.javanshirfouladvand.com

Gender: Male

Marital Status: Single

City of Birth: Tehran, Iran

Education

PhD candidate at Technology, Policy and Management faculty/ Delft University of Technology (TU Delft), Delft, the Netherlands

Research Title: Secure Renewable Thermal Community Energy Systems (Socio-Technical Energy System Design)

M.Sc. in Environmental and Energy Management/ University of Twente, Leeuwarden, the Netherlands

Specialization and Case Study: Energy Management and Renewable Energy Technologies

Title of M.Sc. Thesis: Solar Thermal Energy Systems for Heating Houses in the Netherlands (Social Acceptance, Energy Management and System Design)

B.Sc. in Mechanical Engineering/ University of Tehran, Tehran, Iran

Title of B.Sc. Thesis: Design, thermal analysis, feasibility study and policy usage of Solar Desalination Systems in Iran

Research Interest

- ❖ Sustainable Energy Technologies and Renewable Energy
- ❖ Built Environment, Urban Commons and zero energy building
- ❖ Environmental aspect of Energy Production and Consumption
- ❖ Energy Efficiency and Energy Management
- ❖ Energy Storage and Energy Demand
- ❖ Energy Security
- ❖ Energy Community
- ❖ Energy Governance
- ❖ Energy Transition and Sustainable Transition
- ❖ Social Acceptance, Social Awareness and support

Publication

Published/Presented:

- ❖ **1st International Conference On Energy Research and Social Science:** Social Acceptance of Solar Thermal Energy Systems for Heating Houses in the Netherlands: Fouladvand, Javanshir / Clancy, Joy
- ❖ **Turbine Machine No 4:** Why and how Industrial Estates should use CHP in Iran with a feasibility study for Shams Abad industrial estate: Hanafizadeh, Pedram/ Fouladvand, Javanshir/ Turbine Machine No 4 (2015) 18-27 (Persian)
- ❖ **Turbine Machine No 2:** Prioritize in CHP usage in Iran: Fouladvand, Javanshir/ Hanafizadeh, Pedram/ Turbin Machine No 2 (2014) 41-48 (Persian)

Accepted:

- ❖ **8th International Sustainability Transitions (IST) Conference:** Insights into overcoming the barriers for Energy Transition in Household sector in the Netherlands with a focus on Solar Thermal Energy Systems: Fouladvand, Javanshir / Clancy, Joy

Submitted:

- ❖ **Construction Management and Economics Journal:** Investment preferences and the Iranian real estate market, Economic Feasibility Study of a mixed use building project in Iran: Shams, Hengameh/ Fouladvand, Javanshir / Hanafizadeh, Pedram

Honors and Awards

Member of “**PhD council of Technology, Policy and Management faculty of TU Delft**”

PAOS scholarship, University of Twente for “M.Sc. Environmental and Energy Management”, the Netherlands

Captain, Member and Participant of Persian Gazelle Solar Car III in World Solar Car Challenge 2015 in Australia

Winner of “LC Award 2016”, Best project on Master Level: LWD 2018 (Case Study team project), the Netherlands

Member of “**Iran Renewable Energy Club**”

Member of “**Sustainability Transitions Research Network (STRN)**”

Ranked 380th in the Nationwide Physics & Mathematics University Entrance Exam among 350,000 Participants in 2009

Full scholarship, University of Tehran for Undergraduate Program

The Best “Teaching Assistant” chosen by students and professors 2013

Work and research experience

Training School on Peer Review (Funded), PEERE (New Frontiers of Peer Review), University of Split, Split, Croatia (May 2018)

PhD Colloquium Seminar: Beyond Coal, Gas and Oil (Funded), TU Berlin and DIW, DIW, Berlin, Germany (April 2018)

Research visit (Funded), SHAPE ENERGY (ISAAC), AzzeroCO2 company, Rome, Italy (November 2017)

- ❖ For EU project: Increasing Social Awareness and Acceptance of bio-gas and bio-methane (ISAAC)
- ❖ Crowdfunding, Social Acceptance and Energy Security of bio-energy in Italy and EU

Energy Advisor (Internship), Ekwadraat Company, Leeuwarden, the Netherlands (May 2016- November 2016)

- ❖ Sustainable Energy Technologies (Solar Energy Systems, Waste-Heat, Bio Energy, Energy Storage and Energy Demand)
- ❖ Solar Thermal Energy System usage for Heating Houses in the Netherlands (System Design and Modeling, Social Study)
- ❖ Sustainable Energy Systems for Agricultural Applications in the Netherlands (System Design and Modeling, System Testing)

Junior researcher, Case Study at Municipality of Leeuwarden and University of Twente: LWD 2018 (February 2016 – April 2016)

- ❖ Title: “Leeuwarden European Capital of Culture 2018: A momentum to create a shared vision towards a fossil fuel free city”, Integrated Assessment Framework, Innovative Projects and Social Acceptance of RET
- ❖ Presenter of the Case Study at Municipality of Leeuwarden, the Netherlands
- ❖ Member of Technology Team, Idea and Project Developer

Research assistant, Persian Gazelle Solar Car, University of Tehran, Tehran, Iran (March 2010 – November 2015)

- ❖ Assistant Manager
- ❖ Member of Aerodynamic Group

Research assistant, Center of Excellence in Design and Optimization of Energy Systems (CEDOES), University of Tehran, Tehran, Iran (June 2013 – August 2015)

- ❖ Manager of students section
- ❖ Member of Energy Policy and Economy Group
- ❖ Member of Heat Exchanger and CHP Group
- ❖ Executive Director, Organizer, and Lecturer in Paradigm shifting in Engineering and policy Seminar (2013)

Energy Consultant and System Engineer, Vista Energie Asia, Tehran, Iran (November 2013- July 2015)

- ❖ Consultant Engineer in Energy Management in Oil, Gas and Petrochemical Industry
- ❖ Project Manager and Technical Design Engineer, HVAC Group and Renewable Energy Group with CEDOES collaboration

Internships:

- ❖ **Favaran Company: May 2012 – January 2013 (Tehran, Iran)** ❖ **Yekta Company: June 2011 - August 2011 (Tehran, Iran)**
Mechanical Engineering and Piping Mechanical Engineering and Operation Management

Teaching Experience

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| ❖ Renewable Energy Systems,
Teaching Assistant (M.Sc.), TPM,
TU Delft, 1 Semester | ❖ HVAC Systems Design,
Teaching Assistant (B.Sc.), ME Department,
University of Tehran, 2 Semester | ❖ Product Design and Development,
Teaching Assistant (B.Sc.), ME Department,
University of Tehran, 6 Semester |
| ❖ Agent-Based Modelling
Teaching Assistant (B.Sc.), TPM,
TU Delft, 1 Semester | ❖ Thermodynamics II,
Teaching Assistant (B.Sc.), ME Department,
University of Tehran, 1 Semester | ❖ Design of Machine Elements II,
Teaching Assistant (B.Sc.), ME Department,
University of Tehran, 1 Semester |
| | | ❖ Strengths of Materials I,
Teaching Assistant (B.Sc.), ME Department,
University of Tehran, 2 Semester |

Online courses and Workshops

- Sustainability Career Event at Utrecht University:** ❖ Energy Center Netherlands (ECN) workshop
- International Online Courses in Edx.org:** ❖ Energy103: The Technology You Must Know in the 21st Century
 - ❖ Energy 101: Energy Technology and Policy ❖ Solar Energy
- Tenth International Industrial Engineering Conference at University of Tehran:**
 - ❖ How to turn brilliant ideas into success ❖ Risk Management based on ISO 31000
 - ❖ Energy management system based on ISO 50001:2011

Computer skills

Programming and Engineering: NetLogo, C++, MATLAB, Gambit & Fluent, Energy plus, Solidworks, Auto Cad, HVAC, Carrier, TRNSYS,
Programing: Managing: MSP, Primavera, TaskMerlin **Applied Software:** Word, Excel, Power point, Photoshop

Language

- ❖ **English:** Fluent ❖ **Persian:** Native ❖ **Dutch:** Elementary ❖ **French:** Elementary

Extracurricular Activities

Professional Volunteer works:

- ❖ **Volunteer at Mahak (2005-2009)** ❖ **Volunteer at Imam Ali’s Popular Students Relief Society (2009-2010)**
- ❖ **Volunteer at Association for Protection of Child Laborers (APCL) (2010-2015)**

- Sport:** ❖ **Semi-Professional Chess player:** Member of Iran chess federation ❖ **Semi-professional swimmer**
- Photography:** ❖ **One solo Exhibition in Tehran, Iran (2012)** ❖ **Three group Exhibition in Tehran, Iran (2010, 2011, 2013)**
- Reading:** ❖ **Historical and Political books**