# Dr. techn. Shima Goudarzi

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Austrian citizen
Open to relocation


**Objective**

Research and teaching in renewable energy systems

**Experience**

**Senior Researcher and Lecturer,** FH Technikum Wien — Feb 2021 - current
- Research and teaching in the department of renewable energy systems and the faculty of industrial engineering.

**Technical Engineer,** VollSOLAR GmbH — Nov 2014 - Jan 2021
- Design and development of thermally activated building structures with integrated solar systems in industrial and rural sectors.

**Research Assistant,** GrAT @ TU Wien — Jan 2012 – Jun 2014
- Product design, development and process optimization of pressed parts for the automotive industry.

**Technical Engineer,** Fajr Gostar Novin Co. — Jan 2004 – Dec 2009
- Research and teaching in the department of renewable energy systems and the faculty of industrial engineering.

**Education**

Ph.D. Mechanical Engineering, Vienna University of Technology — 2014

Ph.D. Economics, University of Vienna (incomplete) — 2010

Completed courses: Seasonality (040568), Econometric Methods for Panel Data (040871), Non-linear Time Series Analysis (040789), Advanced Econometrics (040927)

M.Sc. Industrial Engineering, Sharif University of Technology — 2005

B.Sc. Mechanical Engineering, Iran University of Science and Technology — 1998

**Technologies**

City Energy Analysis CEA, Polysun, SimaPro, ArchiCAD, Matlab, Office

**Awards**

Staatspreis Architektur und Nachhaltigkeit (State Award for Sustainability) — 2019
as one of the most prestigious prizes in Austria, for the innovative energy design of a thermally activated building combined with heat pumps and solar panels.

**Selected Research**

Goudarzi S. (2014) *Design, construction, monitoring and life cycle assessment of integrated solar systems.* PhD dissertation, Vienna University of Technology. DOI: 10.34726/hss.2014.25074 (pdf)

Analysis of the costs and environmental effects of integrated solar systems.

Wimmer R., Pokpong C., Eikemeier S., Goudarzi S. et al. (2014) *Zero $CO_2$ Cooler – der Kühlschrank mit Warmwasseranschluss.* NEUE ENERGIEN 2020 - Gruppe Angepasste Technologie GrAT. (pdf)

Research about a solar fridge that does not emit any carbon dioxide. Funded by the Austrian research promotion agency (FFG).

Wimmer R., Goudarzi S. et al. (2013) *Zero Carbon Village - energy autarcic settlement.* Building of Tomorrow. (website)

Feasibility study for the construction of a self sufficient zero-carbon energy village in Austria. Also held a presentation at the Sustainable Building Conference Graz SBCG for this project about its "Modular prefabrication and sustainable building materials".

Goudarzi S. et al. (2013) *Training of Trainers 2 Handbook.* SWITCH Asia - Sustainable and Efficient Industrial Development SEID in Nepal & Bhutan. (website)

A guideline for companies to implement appropriate and sustainable technology solutions. Also held a presentation in Bhutan about the "Recourse efficiency and cleaner production".