

Open PhD position in renewable energy systems at the University of Geneva, Switzerland

Background

The [Renewable Energy Systems group](#), led by Prof. Evelina Trutnevyte, at the University of Geneva is looking to fill an open PhD position in renewable energy systems modeling. Located at the Faculty of Science and the interfaculty Institute for Environmental Sciences, the Renewable Energy Systems group has three strategic research themes. First, it uses mathematical modeling and technology assessment tools in order to inform transition to renewable energy systems at all spatial scales, from neighborhoods and cities to countries and continents. Second, the group searches for system-level socio-technical energy solutions that are techno-economically feasible, environmentally desirable, as well as acceptable and realistically implementable in the society. Third, the group works with multi-disciplinary methods for improving quantitative long-range energy foresight for decision making under deep uncertainty. The scientific work in the group typically also involves interactions with practitioners outside academia, including policy makers, stakeholders, and the wider public.

The successful candidate will work on quantitative modeling of renewable energy systems at a city, national or continental scale with the focus on integrating technical, economic, environmental, and especially social dimensions. The candidate will share the vision of modelling-based multi-disciplinary work at science-society interface that Renewable Energy Systems group is conducting; the group's website and publications are examples of such work. The successful candidate will also complement the current expertise in the group. The complementary topics of particular interest are: city-level or country-level renewable energy modeling, socio-technical energy transitions modeling, geothermal energy, or advanced data analytics for decision making under uncertainty. Women applicants are particularly invited to apply.

In return, the Renewable Energy Systems group provides a stimulating and innovative research environment on one of today's most pressing societal challenges – energy. The city of Geneva takes pioneering action in promoting renewable energy as well as hosts multiple international organizations that foster global transition. The University of Geneva offers excellent conditions for the PhD students, including a competitive salary. The city consistently ranks worldwide among the most attractive cities to live.

Application process and requirements

In order to qualify for the position, the candidates are required to have:

- Completed or nearly completed Master's degree;

- Proven knowledge of renewable energy technology and quantitative energy systems modeling. Candidates from other fields of sciences and engineering may be considered if they demonstrate relevant quantitative skills;
- Interest in working in a multi-disciplinary research group that specializes in socio-technical dimension of renewable energy and involves science-society interactions;
- Excellent English skills (understanding, speaking, and writing);
- French or German skills are an advantage.

Please send your application to job-res@unige.ch. The applications shall include:

- Motivation letter in English;
- CV;
- Work certificates or recommendation letters of two referees; the letters can be submitted by the candidate herself or himself or can be sent by the referees to the email address above;
- Sample document of academic writing in English, e.g. Master thesis, semester thesis, or a publication as the first author.
- Scanned copy of the Master's degree diploma with grades.

If the size of the email exceeds 10 MB, only the letter of motivation and CV shall be included in the email as well as a link for downloading the rest of the documents, e.g. Dropbox.

The candidates are encouraged to apply as soon as possible. The review of applications will be ongoing continuously until the position is filled. The starting date will be mutually agreed on.

For questions, please send an email to job-res@unige.ch.