

Doctoral Candidate on Organic Photovoltaics (OPV)

The OPVStability Marie Skłodowska-Curie Actions Doctoral Network (MSCA-DN) is an interdisciplinary research training network of 10 beneficiary universities from 7 countries. It is funded under the “Excellent Science” cluster of the Horizon Europe program. OPVStability aims to develop the Doctoral Candidate’s scientific expertise to produce excellent research, and interdisciplinary collaboration with scientists from different fields ranging from Physics, Chemistry, Materials Science and Data Science.

Roles and Responsibilities

The main part of your work will be carried out at Graz University of Technology (Graz Austria, in the group of Gregor Trimmel), and secondment placements will take place at University of Potsdam (Germany, two months) and CERIC Trieste (Italy, 2 x one month, synchrotron experiments).

The PhD project is funded for three years and would start by 1st December or later.

Your PhD degree will be awarded on the basis of successful completion of the research work. You will also be required to participate in the training activities and workshops organized by the OPVStability MSCA-DN. As a Marie Skłodowska-Curie Actions fellow, you are also expected to contribute to the dissemination of your project’s result through public engagement and other scientific platforms.

Topic: Stabilization of interfaces and morphology in OPV

This PhD research will focus on:

- i) Investigation of the role of interfaces and of the bulk heterojunction morphology on the stability of OPV
- ii) Analysing interactions and chemical reactions at the interfaces of OPV
- iii) Developing a stabilization strategy to improve the lifetime of OPV devices

The ideal candidate

- The applicant should have completed at least four- or five-years education with a Master’s degree or Diploma from a recognized university in Chemistry, Physics, Materials Science or in a related field and should be eligible as graduate student at Graz University of Technology.
- The applicant should show interest in conducting a research project independently and should enjoy the work in an international, interdisciplinary environment.

- At the time of recruitment, the applicant must not have resided (or carried out his/her main activity e.g. work, studies, etc.) in Austria, for more than 12 months in the last 3 years immediately prior to the reference recruitment date.
- The applicant should have an excellent command of the English language at a proficient level (spoken and written).

We offer an annual gross salary of at least € 45,882.20 for a fulltime position. Graz University of Technology aims to increase the proportion of women and therefore qualified female applicants are explicitly encouraged to apply. Graz University of Technology actively promotes diversity and equal opportunities. Applicants are not to be discriminated against in personnel selection procedures on the grounds of gender, ethnicity, religion or ideology, age, sexual orientation (Anti-discrimination). People with disabilities and who have the relevant qualifications are expressly invited to apply.

Application Procedure

To apply for the position, kindly provide: (i) a letter of motivation including a 1-page statement of your research interests, relevant skills and experience; (ii) a CV including publication list, and copies of relevant certificates and (iii) names and contact details of three referees willing to write confidential letters of recommendation. All materials should be attached as a single PDF file (max. size 5MB).

For interested applicants, please submit your application to our job portal using this link: <https://opvstability.breezy.hr/>

Deadline:

The closing date for all applications is 31st October, 2023.

Enquiries:

For further information about OPVStability and the Doctoral Candidate positions, you may contact our Project Manager, Dr. Julirose Kourist at opvstability@tugraz.at

