Hosting offer for Marie Skłodowska-Curie Postdoctoral Fellowships (PF) 2022 at University of Bremen/Research group MGDA – ALTA Institute

MSCA Postdoctoral Fellowships are individual research grants offering excellent postdoctoral researchers the chance to develop their skills by means of international mobility. Through the implementation of an original and personalized research project, MSCA Postdoctoral Fellowships aim to foster excellence through training and mobility and to equip researchers with new skills and competencies in order to identify solutions to current and future challenges.

The research group MGDA (Mathematical Foundations of Data Analysis) of the ALTA Institute at the University of Bremen invites motivated postdoctoral researchers to jointly prepare an application for the Marie Skłodowska-Curie Postdoctoral Fellowships call (MSCA-PF-2022) with the University of Bremen as host organization.

Description of host group

MGDA (Mathematical Foundations of Data Analysis): Topological data analysis (TDA) is a rigorous mathematical foundation of data analysis that provides techniques from topology to study the shape of data. Our research program focuses on developing the theoretical foundations of TDA.

https://sites.google.com/view/anastasiostefanou/

Topics/expertise

The MGDA research group welcomes postdoctoral candidates for an MSCA-PF application, that work on applied/computational algebra, topology, or geometry.

Prof. Dr. Anastasios Stefanou is the head of the MGDA group and he is actively working on the theoretical foundations of Topological Data Analysis (TDA) and Applied Topology in general. His research focuses on the development of persistent homology and cohomology theory in TDA, and he is also interested in applications of TDA to dynamic spaces, Reeb graphs, and phylogenetic networks.

Your profile

- Expected qualifications/expertise of the candidate:
  - PhD in Mathematics or Computer Science
  - A specialization in Commutative Algebra or Computational Algebra is preferable
- You must have a completed PhD at the time of the call deadline (14 September 2022).
- Candidates must have a maximum of 8 years full-time research experience from the PhD award date until September 14, 2022. Periods of inactivity in research (e.g. unemployment, periods of employment outside research, parental or sick leave) do not count towards the time of research experience.

- For European fellowships, candidates can be of any nationality and must not have resided or carried out their main activity (work, studies, etc.) in Germany for more than 12 months in the 36 months immediately before September 14, 2022.
- Highly motivated candidate with an excellent research track record appropriate to career stage, as evidenced by academic publications and other scientific output.

What we offer

- Support and guidance for the preparation of your MSCA PF proposal, backed by the expertise of the Funding Advisory Service at the University of Bremen
- A stimulating, interdisciplinary environment for high-level research.

How to apply?

Indicate your interest by contacting the host institution as follows:

Please contact Prof. Dr. Anastasios Stefanou by email with a short CV and motivation to indicate your interest to prepare an MSCA-PF application with the MGDA research group

After the supervisor agrees to support you as an MSCA-PF candidate, you can start the preparation of the MSCA PF project proposal, which will be supported further by the Funding Advisory Service of the host university.

For more information please contact the MSCA coordinator of the host institution: eu@vw.uni-bremen.de

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