

Call for a Ph.D. students

Requirements

- MSc in mathematics
- background in geometric analysis and measure theory (e.g. embedded and abstract manifolds, exterior algebra, differential forms, Radon measures, covering theorems, weak convergence of measures, Riesz representation theorem etc.)
- fluent written and spoken English
- ability to write in LaTeX
- ability to search scientific literature and read scientific papers
- motivation to work on abstract problems with no connection to reality or applications
- diligence, accuracy, and perseverance
- good manners and personal culture

Description of tasks

- participation in the research project entitled "Elliptic geometric variational problems" no. 2022/46/E/ST1/00328
- performing research on the topics designated by the supervisor
- reading literature indicated by the supervisor (most notably the classical book of Federer on Geometric Measure Theory)
- writing research papers
- presentation of results at conferences and seminars (also abroad)

Terms of employment

- two PhD scholarships: 5000 PLN gross for 12 months each
- 2-3 one week trips abroad (for conferences or collaboration) fully covered

Deadline for submitting offers: October 18, 2025, 23:59

Form of submitting offers: documents should be sent by email to s.kolasinski@mimuw.edu.pl with subject: "EGVP PhD call 2026"

The application should be provided in English and should include (in a single email):

- a cover letter
- photocopy of MSc diploma
- CV (including the list of passed courses with grades)
- names, emails and affiliations of two mathematicians who can provide informal recommendation letters upon request

The documents should also include the following clause:

I consent to the processing of my personal data contained in my offer for the purposes necessary for the recruitment process in accordance with the Personal Data Protection Act of 29 August 1997 (consolidated text: Journal of Laws 2016, item 922, as amended).

Selected candidates will be invited to an interview (online is possible) by October 23, 2026.

Successful candidate will only be recruited only if he/she is admitted to a Doctoral School located in Poland.