



INSTITUTE OF MATHEMATICS

POLISH ACADEMY OF SCIENCES

Call for a scholarship for a PhD student at IMPAN

Institute of Mathematics, Polish Academy of Sciences announces two short scholarships for Poland placed PhD students, each 3000 PLN per month. They will be sponsored by NCN within a grant Sonata Bis 7 with Tomasz Cieślak as PI. One of the scholarships is two-months long, another three-months long. They are supposed to start on 15th of January 2023.

Interested candidates are supposed to hand in short cv as well as short motivation letter via e-mail, addressed to cieslak@impan.pl, before 5th of January 2023, 4pm CET. If necessary, interviews with candidates may be ran in order to reach the ranking list of candidates.

The candidate is expected to participate in an intensive research project involving one of the following topics:

- 1) examination of periods of nonlinear Hamiltonian pendulums,
- 2) optimal control minimizing the energy in Hamiltonian problems via the Bellman method,
- 3) investigation of spiral vortex sheets.

The candidates are expected to show interest in mathematical physics, differential equations or measure theory. Hamiltonian mechanics or statistical mechanics expertise will be additionally appreciated.

Zastępca Dyrektora ds. Naukowych
Instytutu Matematycznego PAN

dr hab. Piotr Nowak