DOCTORAL INPhINIT FELLOWSHIPS PROGRAMME – INCOMING - CALL 2020

PhD POSITION IN GROUP THEORY AT THE ICMAT FOR THE INPhINIT PROGRAMME

Job Position title: PhD in group theory

Research project/ group description

Our research is centered on different combinatorial, geometric, and algebraic properties of finite and infinite groups. Particular emphasis is placed on Asymptotic Group Theory (e.g. $L^2$ invariants, growth functions), Geometric Group Theory (e.g. nonpositively curved groups, mapping class groups), Profinite Groups, and Representation Theory.

The group now has 5 graduate students and a postdoctoral fellow working in several aspects of the above topics. We have a regular running seminar, several international visitors every year.

The members of the group have different interests. Feel free to contact any of the main researchers if you need to know about their research and potential thesis topics.

- Andrei Jaikin (andrei.jaikin@uam.es): asymptotic group theory, profinite groups, $L^2$ invariants.
- Javier Aramayona (javier.aramayona@uam.es): mapping class groups, curves on surfaces, Teichmüller spaces.
- Yago Antolín (yago.antolin@uam.es): geometric and combinatorial group theory, formal languages in finitely-generated groups.

Job position description

The PhD candidate is expected to participate in the group activities (seminars, courses, conferences, etc.), have regular meetings with his/her supervisor and work in the proposed research topic.

Group Leader: Prof. Andrei Jaikin-Zapirain
Email: andrei.jaikin@uam.es
Website of the ICMAT’s group on Group Theory: https://www.icmat.es/research/groups/group8
Links to the INPhINIT 2020 Incoming Open Call:

Programme description: https://obrasociallacaixa.org/en/investigacion-y-becas/becas-de-la-caixa/doctorado-inphinit/incoming

Application website: https://www.lacaixafellowships.org/index.aspx

Programme rules here.

PhD position finder: https://hosts.lacaixafellowships.org/finder