

# Program of the second GAP Days, March 16–20, 2015

Version from March 9, 2015 at 19:27

Talks are at **Pontdriesch 14/16** in room 008, coding sessions in rooms 003 and 103.

## Monday, March 16

- 10:00 HPC-GAP installation session
- 11:00 Collect wishes for the week
- 14:00 Welcome session (room 008)
- 14:10 Reimer Behrends  
*Intro to HPC-GAP*
- 15:30 Coding session till evening

## Tuesday, March 17

- 10:00 Coding session
- 11:00 Q&A session
- 14:00 Group photo (in front of the building)
- 14:10 Pedro A. García-Sánchez  
*Numericalsgps package: New features*
- 14:40 Alfredo Sánchez-R. Navarro  
*4ti2gap package: An interface to 4ti2*
- 15:10 Alexander Konovalov  
*Experience accumulated while working with HPC-GAP*
- 16:00 Coding session till evening

## Wednesday, March 18

- 10:00 Coding session
- 11:00 Q&A session
- 14:00 Michael Torpey  
*Semigroups package: How to compute with congruences of finite simple and 0-simple semigroups in GAP*
- 14:30 Wilf Wilson  
*Semigroups package: How to compute the maximal subsemigroups of a given finite semigroup in GAP*
- 15:00 Julius Jonusas  
*A non-enumerating algorithm (similar to Schreier-Sims) for checking membership in semigroups and a way to compute their presentations*
- 15:30 Coding session till evening
- 19:00 Dinner at the “**Labyrinth**”

## Thursday, March 19

10:00 Coding session  
11:00 Q&A session  
14:00 Coding session till evening

## Friday, March 20

10:00 Coding session  
11:00 Q&A session  
14:00 Open discussion: Results of the meeting, feedback  
16:00 End of workshop