

ESF-PESC Networking Programme

Applied and Computational Algebraic Topology

Newsletter 10¹

May 2015



The ACAT research network programme of the European Science Foundation ESF has run since July 2011 and will terminate in July 2015. The steering committee has decided how to use almost all the remaining available funds. A very limited reserve can be used to support a few visits, cf. below.

ACAT workshops, conferences and summer schools

The following events in 2015 have received or will soon receive support from the ACAT network:

- [XXIst Oporto Meeting on Geometry, Topology and Physics](#) focusing on Applications of Topology, Lisbon (PT), February 4-7, 2015.
94 participants, 34 speakers.
- [Geometric and Topological Methods in Computer Science](#), Aalborg (DK), April 7-10.
41 participants, 21 speakers, 7 posters.
- [Homotopy in Concurrency and Rewriting](#), École Polytechnique, Palaiseau (FR), June 9-12.
- [Special session # 6 on Applied algebraic topology](#) as part of the AMS-EMS-SPM meeting, Porto (PT), June 10-13, 2015.
- [Dynamics, Topology and Computations 2015](#), Bedlewo (PL), June 15-20.
- Summer School on [Computational Topology and Topological Data Analysis](#), Ljubljana (SI), June 22-27.
- Conference [Applied and Computational Algebraic Topology](#), Vienna (AT), July 6-10.
The ACAT steering committee will meet for a final time on July 9 to evaluate the networking programme and to discuss options and platforms for future collaboration.

Visit and exchange grants

This is the very last possibility for applications concerning a short visit grant ending before July 9. If you are interested, please [apply](#) immediately! The steering committee has appointed a subcommittee consisting of Neza Mramor Kosta, Aniceto Murillo and Martin Raussen to handle grant applications.

ACAT web site:

Please contribute with ideas and suggestions to the [ACAT web site](#) maintained by Samuel Mimram! It will probably be continued, on an informal plan, after the termination of the ESF programme.

Another interesting page to consult is <http://appliedtopology.org/>.

Final report

A final report has to be delivered to the ESF no later than August 30. This is why beneficiaries should expect contributing to the final report with a list of their ACAT related publications in the summer period. You will receive further instructions by e-mail soon.

¹Previous Newsletters can be found at <http://acat.lix.polytechnique.fr/>

Research Network in Applied Algebraic Topology

The [Research Network in Applied Algebraic Topology](#) (director: Peter Bubenik) organizes weekly online [seminars](#) .

Topology in Motion

A program [Topology in motion](#) is planned at the Institute for Computational and Experimental Research (ICERM, Brown Univ., RI, USA) for the fall semester of 2016.

Activities at the Hausdorff Institute (HIM) in Bonn in 2017 approved

As you may remember, a group of ACAT related researchers applied for a Hausdorff trimester in 2017. We did not quite make it for a whole trimester, but here is what has been approved by the HIM Scientific Board:

- Two weeks for conference/workshop/summer school activities (late April and early May 2017)
- A month for research in interdisciplinary collaboration at the institute (September 2017).

More details will follow!

Calendar of Events: A hot period in applied and computational topology!

- [Toponets15](#), Zaragoza (ES), June 2, 2015.
- [Homotopy in Concurrency and Rewriting](#), École Polytechnique, Palaiseau (FR), June 9-12, 2015.
- Special session # 6 on [Applied algebraic topology](#) as part of the AMS-EMS-SPM meeting, Porto (P), June 10-13, 2015.
- [Dynamics, Topology and Computations 2015](#), Bedlewo (PT), June 15 -20, 2015.
- [CAT 2015: Topological Data Analysis](#), Oxford (UK), June 19-20, 2015.
- Summer School on [Computational Topology and Topological Data Analysis](#), Ljubljana (SI), June 22-27, 2015.
- [Applied and Computational Algebraic Topology](#), Vienna (AT), July 6-10, 2015.
- [Young topologists meeting](#), EPFL Eclubens (CH), July 6-10, 2015.
- ACA 2015 special session: [Applied and computational algebraic topology](#), Kalamata (GR), July 20-23, 2015.
- [Combinatorial and Toric Homotopy](#) including a Workshop on Applied Topology, IMS, NSU Singapore, August 2015.
- [Applied topology and High-Dimensional Data Analysis](#), University of Victoria (CA), August 17-27. 2015.
- [Shape Up 2015](#), Exercises in Materials Geometry and Topology, Berlin (DE), September 14-18, 2015.
- [Computational Geometric and Algebraic Topology](#), Oberwolfach (DE), October 11-17, 2015.