

ÁKOS NAGY

Last updated on June 6, 2017

PERSONAL INFORMATION

PLACE AND DATE OF BIRTH: Szekszárd, Hungary | April 8, 1986

CITIZENSHIP: Hungarian

WEBSITE: akosnagy.com

PROFESSIONAL MAILING ADDRESS: Department of Pure Mathematics
University of Waterloo
200 University Avenue West
Waterloo, Ontario, Canada N2L 3G1

EDUCATION

- Ph.D. in Mathematics, Michigan State University, 2016
Advisor: [Thomas H. Parker](#)
- M.Sc. in Mathematics, Budapest University of Technology, 2011
Advisor: [András I. Stipsicz](#)
- M.Sc. in Physics, Budapest University of Technology, 2010
Advisor: [Gábor Etesi](#)

APPOINTMENTS

Current

- Postdoctoral Fellow, University of Waterloo
July 1, 2016–June 30, 2017
Postdoc mentor: [Benoit Charbonneau](#)

Future

- Fields Postdoctoral Fellow, Fields Institute / University of Waterloo
July 1, 2017–December 31, 2017
Postdoc mentor: [Spiro Karigiannis](#)
- William W. Elliott Assistant Research Professor, Duke University
January 1, 2018–June 30, 2020
Postdoc mentors: [Mark Stern](#) and [Robert Bryant](#)

Other

- Visitor, Simons Center for Geometry and Physics
May 11, 2017–June 11, 2017
Program: Mathematics of topological phases of matter
- Associate Postdoctoral Researcher, Perimeter Institute
July 1, 2016–June 30, 2017

PAPERS

Published

2. **Ákos Nagy:** *The Berry connection of the Ginzburg–Landau vortices*, Communications in Mathematical Physics, 350(1), 105-128 (2017)
[[arXiv:1511.00512](#) | [DOI: 10.1007/s00220-016-2701-0](#)]
1. **Gábor Etesi and Ákos Nagy:** *S-duality in Abelian gauge theory revisited*, Journal of Geometry and Physics 61, 693-707 (2011)
[[arXiv:1005.5639](#) | [DOI: 10.1016/j.geomphys.2010.12.007](#)]

Submitted

- **Ákos Nagy:** *Irreducible Ginzburg–Landau fields in dimension 2*, (2016)
[[arXiv:1607.00232](#)]

In preparation

- **Benoit Charbonneau and Ákos Nagy:** *Monopoles with non-maximal symmetry breaking*,
- **Ákos Nagy:** *Chiral Majorana spinors on $Spin^c$ manifolds*.

INVITED TALKS

Future

12. *The Sen Conjecture and Beyond* (conference), UCL, June 19-23, 2017
11. *Mathematical Congress of the Americas* (conference), Montréal, July 24-28, 2017
10. *CMS Winter Meeting* (conference), University of Waterloo, December 8-11, 2017

Past

9. *Mathematics of topological phases of matter* (thematic program), Simons Center for Geometry and Physics, May 23, 2017
8. Caltech, Noncommutative Geometry Seminar, March 8, 2017
7. CIRGET UQAM, Geometry and Topology Seminar, February 24, 2017
6. University of Waterloo, Geometry and Topology Seminar, September 23, 2016
5. McMaster University, Geometry and Topology Seminar, September 16, 2016
4. *AMS Fall Eastern Sectional Meeting* (conference), Rutgers University, November 14-15, 2015
3. Budapest University of Technology, Geometry Seminar, December 16, 2014
2. *Algebra, Geometry, and Mathematics Physics VI* (conference), Tjärnö, October 25-30, 2010
1. Institute for Particle and Nuclear Physics, Wigner Research Centre for Physics, Theoretical Physics Seminar, March 12, 2010

AWARDS AND SCHOLARSHIPS

DISSERTATION COMPLETION FELLOWSHIP AWARD, 2016 (COLLEGE OF NATURAL SCIENCE)

DOUGLAS A. SPRAGG ENDOWED FELLOWSHIP IN MATHEMATICS AWARD, 2015

DISSERTATION CONTINUING FELLOWSHIP AWARD, 2015 (COLLEGE OF NATURAL SCIENCE)

HERBERT T. GRAHAM SCHOLARSHIP AWARD, 2014

DR. PAUL & WILMA DRESSEL ENDOWED SCHOLARSHIP AWARD, 2013

SCHOLARSHIP OF THE HUNGARIAN REPUBLIC, 2008

SUPERVISED STUDENTS

1. Christopher Lang, University of Waterloo, Winter 2017. Supported by departmental USRA and co-supervised with Benoit Charbonneau.

LANGUAGES

HUNGARIAN: Native

ENGLISH: Fluent

OTHER SKILLS

TEX: Pretty good

CODING IN C: Okayish

KRAV MAGA: Level 3 (CT 707)