

ÁKOS NAGY

Last updated on October 12, 2017

PERSONAL INFORMATION

PLACE AND DATE OF BIRTH: Szekszárd, Hungary | April 8, 1986
CITIZENSHIP: Hungarian
WEBSITE: akosnagy.com
PROFESSIONAL MAILING ADDRESS: The Fields Institute
222 College Street, Toronto, Ontario, Canada M5T 3J1

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

Present

- Fields Postdoctoral Fellow, Fields Institute/University of Waterloo
July 1, 2017 – December 31, 2017
Postdoc mentor: Spiro Karigiannis

Future

- William W. Elliott Assistant Research Professor, Duke University
January 1, 2018 – June 30, 2020
Postdoc mentors: Mark Stern and Robert Bryant

Past

- Postdoctoral Fellow, University of Waterloo
July 1, 2016 – June 30, 2017
Postdoc mentor: Benoit Charbonneau

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

3. **Ákos Nagy:** *Irreducible Ginzburg–Landau fields in dimension 2*, The Journal of Geometric Analysis (2017)
[arXiv:1607.00232 | doi:10.1007/s12220-017-9890-4]
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]

In preparation

- **Ákos Nagy and Gonçalo Oliveira:** *Invariant instantons on the Euclidean Schwarzschild manifold*,
- **Benoit Charbonneau and Ákos Nagy:** *Monopoles with non-maximal symmetry breaking*,
- **Ákos Nagy:** *Concentrating Majorana spinors on Riemannian manifolds*.

INVITED TALKS

Future

14. *CMS Winter Meeting* (conference), University of Waterloo, December 8-11, 2017
13. University of Waterloo, Geometry and Topology Seminar, December 1, 2017

Past

12. Michigan State University, Institute for Mathematical and Theoretical Physics, Mathematical Physics and Gauge Theory Seminar, October 3, 2017
11. *Mathematical Congress of the Americas* (conference), Montréal, July 24-28, 2017
10. *The Sen Conjecture and Beyond* (conference), UCL, June 19-23, 2017
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

\LaTeX : Pretty good

CODING IN C: Okayish

KRAV MAGA: Level 3 (CT 707)