

ADAM HANLEY FULLER

PERSONAL INFORMATION

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Citizenship: Ireland, European Union
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RESEARCH

Operator Algebras; Multivariate Operator Theory; Functional Analysis

EDUCATION

Ph.D. University of Waterloo, 2012

M.A.S. University of Cambridge, 2008

B.A. Trinity College Dublin, 2007

EMPLOYMENT

California State University, Los Angeles, Sep. 2015 -
Assistant Professor

University of Nebraska-Lincoln, Aug. 2012 - May 2015
Marilyn M. Hitz Research Assistant Professor

PUBLICATIONS

Published and accepted

8. (with A.P. Donsig and D.R. Pitts) *Von Neumann algebras and extensions of inverse semigroups*, **Proceedings of the Edinburgh Mathematical Society** accepted (2015).
arXiv:1409.1624. 36 pages.
7. (with K.R. Davidson and E.T.A. Kakariadis) *Semicrossed products over semigroups*, **Memoirs of the American Mathematical Society** accepted (2015).
arXiv:1404.1906. 96 pages.
6. (with K.R. Davidson and E.T.A. Kakariadis) *Semicrossed products over semigroups: a survey*, **New York Journal of Mathematics** accepted (2014).
arXiv:1404.1907. 29 pages.
5. (with D.R. Pitts) *Isomorphisms of lattices of Bures-closed bimodules over Cartan MASAs*, **New York Journal of Mathematics** 19 (2013), 657-668,
[link:nyjm.albany.edu/j/2013](http://link.nyjm.albany.edu/j/2013). 12 pages.
4. (with D. Yang) *Nonsel-adjoint 2-graph algebras*, **Transactions of the American Mathematical Society** 367 (2015), 6199-6224,
doi:10.1090/S0002-9947-2015-06385-5. 26 pages.
3. (with M. Kennedy) *Isometric tuples are hyperreflexive*, **Indiana University Mathematics Journal** 62 No. 5 (2013), 1679-1689,
doi:10.1512/iumj.2013.62.5144. 11 pages.
2. *Nonsel-adjoint semicrossed products by abelian semigroups*, **Canadian Journal of Mathematics** 65 (2013), 768-782,
doi:10.4153/CJM-2012-051-8. 15 pages.

1. *Finitely correlated representations of product systems of C^* -correspondences of product systems over \mathbb{N}^k* , **Journal of Functional Analysis** 260 (2) (2011), 574-611, doi:10.1016/j.jfa.2010.10.004. 38 pages.

In Progress

9. (with A.P. Donsig and D.R. Pitts) *Von Neumann algebras and extensions of inverse semigroups II.* (2015)

PRESENTATIONS

Seminars and Colloquia

- Texas A&M University, Linear Analysis Seminar, College Station, TX, Nov. 2014.
- North Dakota State University, Mathematics Department Colloquium, Fargo, ND, Mar. 2014.
- University of Nebraska-Lincoln, Mathematics Department Colloquium, Lincoln, NE, Feb. 2014.
- Kansas State University, Mathematics Department Colloquium, Manhattan, KS, Nov. 2013.
- Carleton University, Analysis Seminar, School of Mathematics and Statistics, Mar. 2012.
- University of Windsor, Analysis Seminar, Department of Mathematics and Statistics, Sep. 2011.
- University of Windsor, Departmental Colloquium, Department of Mathematics and Statistics, Sep. 2011.

Invited and Plenary Conference/Meeting/Workshop Talks

- Multivariate Operator Theory Workshop, BIRS, Banff, Apr. 2015.
- Canadian Mathematical Society Winter Meeting: Operator Algebras Session, Dec. 2014.
- Nebraska-Iowa Functional Analysis Seminar, Oct. 2014.
- Great Plains Operator Theory Symposium (GPOTS), Kansas State University, May 2014.
- Joint Mathematical Meetings, Special Session on Multivariable Operator Theory, Baltimore, MD, Jan. 2014.
- Canadian Mathematical Society Winter Meeting: Operator Algebras Session, Dec. 2013.
- AMS Sectional Meeting, Special Session on Operator Algebras and Topological Dynamics, Ames, IA, Apr. 2013.
- Nebraska-Iowa Functional Analysis Seminar, Nov. 2012.
- Canadian Mathematical Society Winter Meeting: Operator Algebras Session, Dec. 2011.

Contributed Conference/Meeting/Workshop Talks

- Canadian Operator Symposium (COSy), Fields Institute, Toronto, Jun. 2014.
- Banach Algebras and its Applications, Chalmers University, Gothenburg, Jul. 2013.
- Canadian Operator Symposium (COSy), Fields Institute, Toronto, Jun. 2013.
- Great Plains Operator Theory Symposium (GPOTS), University of California, Berkeley, Jun. 2013.
- Great Plains Operator Theory Symposium (GPOTS), University of Houston, Jun. 2012.
- Canadian Operator Symposium (COSy), Queen's University, Kingston, May 2012.
- Banach Algebras 2011 Conference, University of Waterloo, Aug. 2011.
- Operator Theory and its Applications, Chalmers University, Apr. 2011.
- Canadian Operator Symposium (COSy), University of New Brunswick, Jun. 2010.

Mathematics Education Talks

- Joint Mathematical Meetings, Special Session on Business, Industry and Government, San Antonio, TX, Jan. 2015.

GRANT APPLICATIONS

Successful grant applications

- Visiting Scholar Grant** for Dr. Matthew Kennedy, *UNL Research Council*, amount: \$760. May 2013.

TEACHING EXPERIENCE**California State University, Los Angeles**

Math 215 *Differential Equations* Fall 2015.

Math 465 *Advanced Calculus I* Fall 2015.

University of Nebraska - Lincoln

Math 221 *Differential Equations* Spring 2015.

Math 897 *Graduate Reading Course: Graph C^* -algebras* Spring 2015 (3 students).

Math 897 *Graduate Reading Course: Hilbert C^* -modules* Fall 2014 (1 student).

Math 435 *Math in the City* Fall 2014.

Math 417 *Introduction to Modern Algebra* Spring 2014.

Math 497 *Reading Course: Hilbert Spaces* Spring 2014 (1 student).

Math 325 *Elementary Analysis* Fall 2013.

Math 896 *Graduate Seminar in Math Literature* Summer 2013.

Math 314 *Linear Algebra* Spring 2013, Fall 2013, Fall 2014.

Math 208 *Calculus III & Analytic Geometry* Fall 2012 (2 sections).

University of Waterloo

Math 116 *Calculus I for Engineers* Fall 2010

Teaching assistant, 18 courses, Fall 2009 - Summer 2012

TEACHING AWARDS

Outstanding Teaching Assistant Award, Dept. of Pure Math, Sep. 2011.

SUPERVISING AND MENTORING

Faculty mentor for S-STEM scholarship undergraduate student, Caleb Mayfield. Academic years 2013-2014, 2014-2015.

Undergraduate Honours Thesis Advisor for Caleb Mayfield. Academic year 2014-2015.

CONFERENCES ATTENDED

West Coast Operator Algebras Seminar, UCSD, San Diego, Oct. 2015.

Multivariate Operator Theory Workshop, BIRS, Banff, Apr. 2015.

Joint Mathematical Meetings, San Antonio, TX, Jan. 2015.

Canadian Mathematical Society Winter Meeting, Hamilton, Canada, Dec. 2014.

Canadian Operator Symposium (COSy), Fields Institute, Toronto, Canada, Jun. 2014.

Great Plains Operator Theory Symposium (GPOTS), Kansas State University, USA, May 2014.

Joint Mathematical Meetings, Baltimore, MD, Jan. 2014.

Canadian Mathematical Society Winter Meeting, Canada, Dec. 2013.

Banach Algebras and Applications, Chalmers University, Gothenburg, Sweden, Jul. 2013.

Canadian Operator Symposium (COSy), Fields Institute, Toronto, Canada, Jun. 2013.

Great Plains Operator Theory Symposium (GPOTS), University of California, Berkeley, USA, May 2013.

AMS Sectional Meeting, Iowa State University, USA, Apr. 2013.

Great Plains Operator Theory Symposium (GPOTS), University of Houston, USA, Jun. 2012.

Canadian Operator Symposium (COSy), Queen's University, Canada, May 2012.

Canadian Mathematical Society Winter Meeting, Canada, Dec. 2011.

Banach Algebras 2011, University of Waterloo, Canada, Aug. 2011.

Operator Theory and its Applications, Chalmers University, Sweden, Apr. 2011.
 Canadian Operator Symposium (COSy), University of New Brunswick, Canada, Jun. 2010.
 NCGOA - Von Neumann Algebras Workshop, Vanderbilt University, USA, May 2010.
 Multivariate Operator Theory Workshop, Fields Institute, Canada, Aug. 2009.
 Planar Graph Algebras Workshop, Queen's University, UK, Aug. 2008.

AWARDS AS A STUDENT

Cambridge European Trust Scholarship, Oct. 2007 - May 2008.
 Trinity Hall Research Bursary, Oct. 2007 - May 2008.
 Trinity College Gold Medal for undergraduate degree.
 SFI Undergraduate Research Experience and Knowledge Award, Jun. - Aug. 2006.
 Trinity College Dublin Scholarship, 2005-2007.

ACADEMIC SERVICE

Referee for *Integral Equations and Operator Theory*; *The Journal of Operator Theory*, *The Journal of Mathematical Analysis and Applications* and *The Indiana University Mathematics Journal*.
 Committee member, the Math Graduate Studies Committee; Math Instructional Affairs Committee, California State University, Los Angeles 2015-2016 academic years.
 Committee member, the Math Undergraduate Activities Committee, University of Nebraska-Lincoln, 2012-2013, 2013-2014, 2014-2015 academic years.
 Organizer, Operator Algebra Seminar, University of Nebraska-Lincoln, Fall 2014.
 Organizer, Graduate Student Learning Seminar: *Semigroup C^* -algebras*, University of Nebraska-Lincoln, Winter 2013.
 Interactive presentation on pure mathematics to the Congregated Class for Gifted Learners (Middle School), Waterloo Region District School Board, Jun. 2012.
 Co-organizer, Pure Math Graduate Student Colloquium, University of Waterloo, Jun. 2010 - May 2012.

PROFESSIONAL MEMBERSHIPS

American Mathematical Society.
 Canadian Mathematical Society.