

Tasos Moulinos

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Areas of Specialization

Algebraic K-theory • Derived Algebraic Geometry • Stable Homotopy Theory

Education

2011 BA in Mathematics and Philosophy, Columbia University
2012 MA in Mathematics, City University of New York
2018 PhD in Mathematics, University of Illinois at Chicago

Dissertation

Topological K -theory and Invertibility

Publications & Talks

JOURNAL ARTICLES

Moulinos, *Derived Azumaya Algebras and Twisted K -theory* (submitted) [arXiv 1710.05810]
Hayes, Hundemer, Milliken, Moulinos, *The Real Dynamics of Bieberbach's Example*,
Journal of Geometric Analysis (2015) 25: 2386

SELECTED TALKS

- *Suslin–Wodzicki excision after Tamme*, Talk at the Vitamin K_1 workshop, June 2018
- *Derived Azumaya Algebras and Topological K -theory*, University of Madison Wisconsin Algebraic Geometry Seminar, January 2018
- *Derived Azumaya Algebras and Topological K -theory*, University of Minnesota Topology Seminar, November 2017
- *Derived Azumaya Algebras and Topological K -theory*, UIUC Topology Seminar, October 2017
- *Derived Azumaya Algebras and Topological K -theory*, Talk at the Homotopy Theory: Tools and Applications Conference, July 2017

- *Derived Azumaya Algebras and Topological K-theory*, Talk at the Hausdorff School: Derived Non-commutative Geometry Workshop, June 2017
- *On the Topological K-theory of Derived Azumaya Algebras*, Talk at the Invertibility and Duality in Derived Algebraic Geometry and Homotopy Theory Conference, April 2017
- *Towards Localization and Nisnevich Descent of Nonconnective K-theory*, UIC Graduate Algebraic K-theory Seminar, March 2017
- *Noncommutative Motives and Secondary K-theory I,II*, UIC Homotopy Theory Seminar, October 2016
- *A Stratification of the Moduli Stack of Formal Groups*, UIC Graduate Homotopy Theory Seminar, April 2016
- *Computation of $\pi_*(MU)$ and the Adams-Novikov Spectral Sequence*, UIC Graduate Homotopy Theory Seminar, March 2016
- *On Infinity-operads*, UIC Graduate Seminar in Derived Algebraic Geometry, February 2016
- *The Topological Hochschild Homology of Finite Fields*, UIC Homotopy Theory Seminar, October 2015
- *A Brief Introduction to Stable Infinity-categories*, UIC Algebraic Topology Seminar, October 2014

Conferences & Seminars

SEMINARS ORGANIZED

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| Spring 2017 | Graduate Algebraic K-theory Seminar, UIC |
| Spring 2016 | Graduate Seminar in Chromatic Homotopy Theory, UIC |
| Spring 2016 | Graduate Seminar in Derived Algebraic Geometry, UIC |

SELECTED CONFERENCES ATTENDED

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| Fall 2018 | CATS5, <i>Museu Nacional de Historia Natural e da Ciênca</i> |
| Summer 2017 | Midwest Topology Summer School on Trace Methods in Algebraic K -theory, |
| Summer 2017 | <i>Indiana University Bloomington</i> Homotopy Theory: Tools and Applications, <i>University of Illinois at Urbana-Champaign</i> |
| Summer 2017 | Hausdorff School: Derived Noncommutative Geometry, <i>Hausdorff Center for Mathematics, Universität Bonn</i> |
| Spring 2017 | Invertibility and Duality in Derived Algebraic Geometry and Homotopy Theory, <i>Universität Regensburg</i> |
| Spring 2017 | Masterclass: Stratifications and Duality in Modular Representation Theory, <i>University of Copenhagen</i> |
| Spring 2016 | Motives in Derived Algebraic Geometry, <i>Universität Duisburg-Essen</i> |
| Fall 2015 | Midwest Topology Seminar, <i>Wayne State University</i> |
| Spring 2015 | Interactions between Representation Theory, Algebraic Topology and Commutative Algebra, <i>Universitat Autònoma de Barcelona</i> |
| Winter 2015 | Midwest Topology Seminar, <i>UIC</i> |
| Summer 2014 | Summer Graduate School in Algebraic Topology, <i>MSRI, Guanajuato, Mexico</i> |
| Spring 2014 | Homological Methods in Algebraic Geometry, <i>University of Wisconsin, Madison</i> |

Awards

2017 UIC Provost's Award for Graduate Research of \$3000, to visit the Hausdorff Center for Mathematics in Bonn for Spring 2018.

Teaching Experience

2012-Present Teaching Assistant, UIC Department of Mathematics, Statistics, and Computer Science
College Algebra, Summer Enrichment Workshop on College Algebra, Pre-Calculus, Calculus I, Calculus II, Calculus for Business