

Tasos Moulinos

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Academic Positions

Spring 2019
2018-

MSRI Postdoc, Mathematical Sciences Research Institute, Berkeley
CNRS Postdoctoral Researcher Institut de Mathématiques de Toulouse

Areas of Specialization

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

Education

2011
2012
2018

BA in Mathematics and Philosophy, Columbia University
MA in Mathematics, City University of New York
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*, *Advances in Mathematics* **351** (2019) 761-803

Hayes, Hundemer, Milliken, Moulinos, *The Real Dynamics of Bieberbach's Example*, *Journal of Geometric Analysis* (2015) 25: 2386

PREPRINTS

Moulinos *The geometry of filtrations* (in preparation)

Moulinos, Robalo, Toën *A universal HKR theorem* [arXiv 1906.00118]

Brown, Moulinos *Topological K -theory of twisted equivariant complexes* (submitted) [arXiv 1901.06806]

SELECTED TALKS

- *Towards a universal HKR theorem*, Talk at the MSRI, Berkeley, April 2019
- *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*, Talk at the Homotopy Theory: Tools and Applications Conference, July 2017
- *Derived Azumaya Algebras and Topological K -theory*, Talk at the Hausdorff School: Derived Noncommutative 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
- *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

Conferences & Seminars

SEMINARS ORGANIZED

Fall 2018	'Groupe de Travail' on Elliptic Cohomology, IMT
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

Fall 2018	CATS5, <i>Museu Nacional de Historia Natural e da Ciênc</i> a
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,

University of Copenhagen

- Spring 2016 Motives in Derived Algebraic Geometry, *Universität Duisburg-Essen*
Fall 2015 Midwest Topology Seminar, *Wayne State University*
Spring 2015 Interactions between Representation Theory, Algebraic Topology and Commutative Algebra,
Universitat Autònoma de Barcelona
Winter 2015 Midwest Topology Seminar, *UIC*
Summer 2014 Summer Graduate School in Algebraic Topology, *MSRI, Guanajuato, Mexico*
Spring 2014 Homological Methods in Algebraic Geometry, *University of Wisconsin, Madison*

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