

Tasos Moulinos

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Academic Positions

Spring 2019 *MSRI Postdoc*, Mathematical Sciences Research Institute, Berkeley
2018- *CNRS Postdoctoral Researcher* Institut de Mathématiques de Toulouse

Areas of Specialization

Derived Algebraic Geometry • Algebraic K-theory • 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*, 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 *Deformations of formal groups and Cartier duality* (in progress)
Bayindir, Moulinos *Algebraic K -theory of $THH(\mathbb{F}_p)$* [arXiv 2009.05827]
Moulinos *The geometry of filtrations* (submitted) [arXiv 1907.13562]
Moulinos, Robalo, Toën *A universal HKR theorem* (submitted) [arXiv 1906.00118]
Brown, Moulinos *Topological K -theory of twisted equivariant complexes* (submitted) [arXiv 1901.06806]

SELECTED TALKS

- *Towards a prismatic analogue of the filtered circle*, Talk at the ALPE Toulouse-Montpellier joint seminar in Montpellier.
- *Hochschild homology and the filtered circle*, Talk at the Einstein Chair Seminar, CUNY, February 2020
- *A universal HKR theorem*, Talk at the Columbia University Symplectic Topology seminar, November 2019
- *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*, 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
- *Computation of $\pi_*(MU)$ and the Adams-Novikov Spectral Sequence*, UIC Graduate Homotopy Theory Seminar, March 2016
- *The Topological Hochschild Homology of Finite Fields*, UIC Homotopy Theory Seminar, October 2015

Conferences & Seminars

SEMINARS ORGANIZED

Fall 2020	'Groupe de Travail' on Prismatic cohomology, IMT
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 2019 Program on Derived algebraic geometry IMT-SCU, *Chengdu, China*
- Spring 2019 Derived algebraic geometry and its applications, *MSRI, Berkeley*
- Fall 2018 CATS5, *Museu Nacional de Historia Natural e da Ciència, Lisbon*
- Summer 2017 Midwest Topology Summer School on Trace Methods in Algebraic K -theory, *University of Indiana*
- Summer 2017 *Indiana University Bloomington* Homotopy Theory: Tools and Applications, *University of Illinois at Urbana-Champaign*
- Summer 2017 Hausdorff School: Derived Noncommutative Geometry, *Hausdorff Center for Mathematics, Universität Bonn*
- Spring 2017 Invertibility and Duality in Derived Algebraic Geometry and Homotopy Theory, *Universität Regensburg*
- 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