

# Tim Campion

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## CONTACT INFORMATION

Department of Mathematics  
University of Notre Dame  
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Notre Dame, IN 46556

tcampion@nd.edu

## RESEARCH INTERESTS

Category theory, higher category theory, and homotopy theory.

## EDUCATION

### Mathematics Department, University of Notre Dame

Ph.D. Candidate, Mathematics (expected May 2020)

- Dissertation Topic: *Splittings of symmetric monoidal  $\infty$ -categories with duals.*
- Advisor: Christopher J. Schommer-Pries

### Princeton University

A.B. in Mathematics, May 2013

- Thesis Topic: *The Morita Theorems.*
- Advisor: Hans Halvorson

## PRE-PUBLICATIONS

Campion, Tim, Greg Cousins, and Jinhe Ye. “Classifying Spaces and the Lascar Group.” ArXiv:1808.04915 [Math], August 14, 2018. .

Adámek, J., A. Brooke-Taylor, T. Campion, L. Positselski, and J. Rosický. “Colimit-Dense Subcategories.” ArXiv:1812.10649 [Math], December 27, 2018. .

Campion, Tim. “Splittings of Symmetric Monoidal  $\infty$ -Categories with Duals.” In progress.

Campion, Tim. “Cubical  $\text{Ex}^\infty$  and Cubical Approximation.” In progress.

Campion, Tim and Jinhe Ye. “Classifying Spaces of Stable Theories.” In progress.

Campion, Tim. “A note on Mochizuki’s Frobenioids.” In progress.

## CONFERENCE TALKS

*Locally Presentable Categories of Topological Spaces*, CT Category theory conference, Dalhousie University. (August 2016)

*Stable Homotopy Theory via Duality*, YTM Young Topologists’ Meeting, University of Copenhagen. (July 2018)

## SELECTED CONFERENCES ATTENDED

Talbot Workshop, Government Camp OR, May 2018

Higher Structures in homotopy theory, Cambridge, July 2018

Young Topologists’ Meeting, Copenhagen, July 2018

Midwest Topology Seminar, 3x per year Fall 2015-present

Summer School on Trace Methods in Algebraic K-theory, Indiana University, August 2017

Mid-Atlantic Topology Conference, Johns Hopkins, March 2016

CT Category Theory conference, Summer 2014, 2015, 2016

OTHER  
PROFESSIONAL  
ACTIVITY

Active user on MathOverflow, 2009-present, with 100+ questions and answers, and among top 2% of users for the past several quarters. User page at <https://mathoverflow.net/users/2362/tim-campion>.