LI, ANG

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EDUCATION

DOCTORAL PROGRAM OF MATHEMATICS IN UNIVERSITY OF KENTUCKY
August 2016 - Present
Research interest: Homotopy theory
Advisor: Bert Guillou, webpage: http://www.ms.uky.edu/~guillou/

DOCTORAL PROGRAM OF MATHEMATICS IN UNIVERSITY OF CINCINNATI
August 2014 - May 2016
I transferred program in order to better find a faculty advisor matching my research interest.

BACHELOR PROGRAM OF MATHEMATICS AND APPLIED MATHEMATICS IN CENTRAL SOUTH UNIVERSITY
September 2010 - June 2014
One of both the 211 and 985 project universities, P.R.CHINA
Advisor: Yong Jiao, webpage: http://faculty.csu.edu.cn/jiaoyong/zh_CN/index.htm

ACADEMIC ACHIEVEMENTS

Summer Research Assistantship
University of Kentucky, 2021
This award is made possible by external grants held by Dr. Bert Guillou

Summer Research Fellowship
University of Kentucky, 2020
This award provides summer research support for doctoral students

Mathematics Department Fellowship
University of Kentucky, 2020
This award recognizes outstanding research by a doctoral student

Summer Research Assistantship
University of Kentucky, 2018 and 2019
This award is made possible by external grants held by Dr. Bert Guillou

Maita Levine Award for Outstanding Beginning Doctoral Students
University of Cincinnati, 2015

PUBLICATIONS AND PREPRINTS

My current projects are in equivariant and motivic homotopy theory. I am interested in the ∞-category language and its connection to the equivariant and motivic homotopy theory. Please see my webpage http://ms.uky.edu/~ali266/ for details.

On realizations of the subalgebra $\mathcal{A}^{\mathbb{R}}(1)$ of the $\mathbb{R}$-motivic Steenrod Algebra
Joint work with Prasit Bhattacharya and Bertrand Guillou
Submitted. Available on the ArXiv: https://arxiv.org/abs/2106.10769

An $\mathbb{R}$-motivic v_1-self-map of periodicity 1
Joint work with Prasit Bhattacharya and Bertrand Guillou
Submitted. Available on the ArXiv: https://arxiv.org/abs/2008.05547

The v_1-Periodic Region in the cohomology of the $\mathbb{C}$-motivic Steenrod algebra
New York J. Math. 26 (2020) 13551374. Available on the ArXiv: https://arxiv.org/abs/1912.03111

ACTIVITIES

Co-organizer of the eCHT Kan Seminar
Fall 2020
https://s.wayne.edu/echt/echt-reading-seminars/echt-kan-seminar-fall-2020/

CONFERENCES AND INVITED TALKS

Summer School on Equivariant Homotopy Theory
July 19-30, 2021.
https://iwoat.github.io/school

University of Virginia Topology Seminar
April 29, 2021.

UCLA Algebraic Topology Seminar
November 15, 2020.

Chicago-Northwestern Topology Seminar
October 27, 2020.

Topology Seminar at Johns Hopkins University
October 26, 2020.

Graduates Reminisce Online On Topology (GROOT) Summer Seminar
July 15, 2020.
https://sites.google.com/view/sarahpetersen/groot-summer-seminar

Summer School on Equivariant Homotopy Theory
August 13-17, 2019. At Fudan University, Shanghai, China
https://iwoat.github.io/school

Gradute Student Topology and Geometry Conference
March 30-31, 2019. At University of Illinois Urbana-Champaign
https://hquan4.pages.math.illinois.edu/GSTGC2019/index.html

TEACHING

As an international student who survived the examination-oriented education system in China, I am an expert in small strategies in math, and effectively managing my time under stress. Leading by my philosophy of learning math, my students will learn how to maximize the effort under their limited study time. Please see my webpage http://ms.uky.edu/~ali266/ for details.