

Zhen Huan

CONTACT INFORMATION	School of Mathematics Sun Yat-sen University Xingangxi Road 135, Haizhu, Guangzhou, Guangdong, 510275, China	Email: huanzhen2016@gmail.com
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RESEARCH INTERESTS	Algebraic topology, homotopy theory, and related fields.	
POSITION	Sun Yat-sen University , Guangzhou, China Research Associate, August 2017-present	
VISITING POSITION	Universität Duisburg-Essen , Essen, Germany Research Assistant, April 2018-July 2018.	
EDUCATION	University of Illinois at Urbana-Champaign Ph.D. in Mathematics, May 2017 <ul style="list-style-type: none">• Dissertation Defense Date: May 5th 2016• Dissertation Title: Quasi-Elliptic Cohomology• Advisor: Charles Rezk Indiana University Bloomington M.A. in Mathematics, May 2009 Peking University B.A. in Mathematics, May 2006 <ul style="list-style-type: none">• Thesis Title: Morse Theory and Bott Periodicity• Advisor: Houhong Fan	
PREPRINT	Zhen Huan, <i>Quasi-Elliptic Cohomology and its Power Operations</i> , https://arxiv.org/abs/1612.00930 Submitted for publication. Zhen Huan, <i>Quasi-elliptic cohomology and its Spectra</i> , http://arxiv.org/abs/1703.06562 Submitted for publication. Zhen Huan, <i>Universal Finite Subgroup of Tate Curve</i> , https://arxiv.org/abs/1708.08637 Submitted for publication. Zhen Huan and Nathaniel Stapleton, <i>Level Structures, Loop Spaces, and Morava E-theory</i> . In Preparation. Zhen Huan, <i>A Survey of Quasi-Elliptic Cohomology</i> . In Preparation. Zhen Huan, <i>Almost Global Homotopy Theory</i> . In Preparation.	

INVITED TALKS

- Beijing Jiaotong University, *Quasi-elliptic cohomology*, February 28, 2018.
- Sun Yat-sen University, Zhuhai Campus, *Quasi-elliptic cohomology*, January 12, 2018.
- Peking University Geometry and Topology Seminar, *Quasi-elliptic cohomology*, November 30, 2017.
- South China Normal University Topology Seminar, *Quasi-elliptic cohomology*, November 16, 2017.
- Southern University of Science and Technology Topology Seminar, *Quasi-elliptic cohomology*, November 14, 2017.
- Poster Session, Schubert Calculus International Festival, *Quasi-elliptic cohomology*, November 9, 2017.
- AMS Special Session on Homotopy Theory, *Quasi-elliptic cohomology*, November 5, 2017.
- Nankai University Algebraic Topology Seminar, *Quasi-elliptic cohomology*, October 10, 2017.
- Parallel Session, Conference "Homotopy theory: tools and applications", *Quasi-elliptic cohomology*, July 17, 2017.
- Informal Session, Conference on invertible objects and duality in derived algebraic geometry and homotopy theory, the University of Regensburg, Germany, *Quasi-elliptic cohomology*, April 3, 2017.
- AMS Special Session on Homotopy Theory, *Quasi-elliptic cohomology*, April 1, 2017.
- AMS Special Session on Topology and Arithmetic, *Quasi-elliptic cohomology*, October 30, 2016.
- University of Chicago Algebraic Topology Seminar, *Quasi-elliptic cohomology*, November 25, 2014.
- Northwestern University Algebraic Topology Seminar, *Quasi-elliptic cohomology*, November 24, 2014.

TEACHING EXPERIENCE

University of Illinois at Urbana-Champaign

Main instructor of

- NetMath MATH 231-Calculus II, Summer 2016.
- MATH 124-Finite Mathematics, Spring 2016.
- MATH 124-Finite Mathematics, Fall 2015.
- MATH 124-Finite Mathematics, Spring 2015.
- MATH 119-Ideas in Geometry, Fall 2013.

Led discussion sessions for

- MATH 221-Calculus I, Fall 2016.
- MATH 231-Calculus II, Fall 2012.
- MATH 234-Calculus for Business I, Spring 2012.
- MATH 231-Calculus II, Fall 2011.

FELLOWSHIP AND AWARDS

- James P. Williams Memorial Award in recognition of outstanding scholastic achievement in the first year of graduate studies, from Department of Mathematics, Indiana University, Bloomington, 2007.

SERVICE

- Co-organizer of the special session "Algebraic and Geometric Topology" at the American Mathematical Society-Chinese Mathematical Society Joint Meeting, June 11-14, 2018.
- Co-organizer of the satellite conference to the "Algebraic and Geometric Topology" session at Southern University of Science and Technology, June 7-9, 2018.

REFERENCES

Advisor

Charles Rezk, University of Illinois at Urbana-Champaign, rezk@math.uiuc.edu
(217) 265-6309.

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Matthew Ando, University of Illinois at Urbana-Champaign, mando@illinois.edu
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Teaching Reference

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