

## Zhen Huan

---

CONTACT INFORMATION	School of Mathematics Sun Yat-sen University Xingangxi Road 135, Haizhu, Guangzhou, Guangdong, 510275, China	Email: huanzhen2016@gmail.com
RESEARCH INTERESTS	Algebraic topology, homotopy theory, and related fields.	
POSITION	<b>Sun Yat-sen University</b> , Guangzhou, China Research Associate, August 2017-present	
VISITING POSITION	<b>Universität Duisburg-Essen</b> , Essen, Germany Research Assistant, April 2018-July 2018.	
EDUCATION	<b>University of Illinois at Urbana-Champaign</b> Ph.D. in Mathematics, May 2017 <ul style="list-style-type: none"><li>• Dissertation Defense Date: May 5th 2016</li><li>• Dissertation Title: Quasi-Elliptic Cohomology</li><li>• Advisor: Charles Rezk</li></ul> <b>Indiana University Bloomington</b> M.A. in Mathematics, May 2009  <b>Peking University</b> B.A. in Mathematics, May 2006 <ul style="list-style-type: none"><li>• Thesis Title: Morse Theory and Bott Periodicity</li><li>• Advisor: Houhong Fan</li></ul>	
PREPRINT	Zhen Huan, <i>Quasi-Elliptic Cohomology and its Power Operations</i> , <a href="https://arxiv.org/abs/1612.00930">https://arxiv.org/abs/1612.00930</a> Submitted for publication.  Zhen Huan, <i>Quasi-elliptic cohomology and its Spectra</i> , <a href="http://arxiv.org/abs/1703.06562">http://arxiv.org/abs/1703.06562</a> Submitted for publication.  Zhen Huan, <i>Universal Finite Subgroup of Tate Curve</i> , <a href="https://arxiv.org/abs/1708.08637">https://arxiv.org/abs/1708.08637</a> Submitted for publication.  Zhen Huan and Nathaniel Stapleton, <i>Level Structures, Loop Spaces, and Morava E-theory</i> . In Preparation.  Zhen Huan, <i>Almost Global Homotopy Theory</i> . In Preparation.	
INVITED TALKS	<ul style="list-style-type: none"><li>• Peking University Geometry and Topology Seminar, <i>Quasi-elliptic cohomology</i>, November 30, 2017.</li><li>• South China Normal University Topology Seminar, <i>Quasi-elliptic cohomology</i>, November 16, 2017.</li></ul>	

- 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.

#### REFERENCES

*Advisor*

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

*Dissertation Committee Member*

**Matthew Ando**, University of Illinois at Urbana-Champaign, [mando@illinois.edu](mailto:mando@illinois.edu) (217) 244-2846.

*Dissertation Committee Member*

**Vesna Stojanoska**, University of Illinois at Urbana-Champaign, [vesna@illinois.edu](mailto:vesna@illinois.edu) (217) 265-0883.

*Teaching Reference*

**Alison Reddy**, University of Illinois at Urbana-Champaign, [ared@illinois.edu](mailto:ared@illinois.edu)  
(217) 244-2361.