

# ERIC RECKWERDT

[ereckwerdt@impan.pl](mailto:ereckwerdt@impan.pl)

(+48)784-849-486

Institute of Mathematics of the Polish Academy of Sciences

ul. Śniadeckich 8

00-656 Warszawa

Poland

## — WORK EXPERIENCE —

- Assistant Professor 2016–present  
Institute of Mathematics of the Polish Academy of Sciences
- Teaching Assistant 2012–2016  
University of Hawai'i at Manoa Department of Mathematics
- Instructor summer 2011  
Ethnomathematics Calculus Summer Institute
- SUPER-M Fellow 2010–2012  
NSF GK-12 Grant
- Assistant Language Teacher 2007–2008  
Nagasaki Prefecture School District

## — EDUCATION —

- PhD in Mathematics 2016  
University of Hawai'i at Manoa  
Thesis: *Weak Amenability is Stable Under Graph Products*  
Advisor: Prof. Erik Guentner
- Bachelor of Science 2007  
University of Puget Sound  
Majors: Mathematics and Asian Studies

## — RESEARCH INTERESTS —

Geometric group theory, operator algebras, algebraic topology, and dynamical systems.

## — PUBLICATIONS —

- On complements of Kazhdan projections in semisimple groups 2017  
with Piotr Nowak. Preprint available at [arxiv.org/abs/1710.03259](https://arxiv.org/abs/1710.03259).
- Relatively hyperbolic groups, weak amenability, and affine  $L^p$ -actions 2016  
with Erik Guentner and Romain Tessera. In preparation
- Weak amenability is stable under graph products 2015  
Journal of the London Mathematical Society Volume 96, Issue 1 August 2017.  
Preprint may be found at [arxiv.org/abs/1511.04645](https://arxiv.org/abs/1511.04645).

## — TEACHING AND MENTORING —

*Regular teaching*

Taught Precalculus and a two semester math for elementary teachers sequence.

*As teaching assistant*

Graded and led recitation sessions for Calculus I & II.

*Under the SUPER-M GK-12 Grant*

Assisted at August Ahrens Elementary School and Ke Kula Ni'ihau O Kekaha Charter School. Prepared lesson plans, helped confused students, and designed math activities. Also prepared and led math activities for community-wide math and science events. An example activity may be found at [www.youtube.com/watch?v=SgqGtEag5KQ](http://www.youtube.com/watch?v=SgqGtEag5KQ).

*With the Math Teachers' Circle of Hawai'i*

Led 50+ K12 teachers in exploratory math sessions once a month for an academic year.

*For the Ethnomathematics Calculus Summer Institute*

Mentored preservice teachers in designing mathematical lesson plans which focus on local culture and history.

*At the Institute of Human Services Hawai'i*

Tutored and led math activities for children at a homeless shelter.

## — INVITED TALKS —

Weak amenability of relatively hyperbolic groups      *Feb 8 2016*  
University of Copenhagen operator algebra seminar

## — CONFERENCES ATTENDED —

Workshop on Operator Algebras, Geometry, and Actions      *Sept. 2017*  
IMPAN

Young Mathematicians in  $C^*$  Algebras      *Aug. 2017*  
University of Copenhagen

Asymptotic Decomposition Methods in Geometry, Dynamics and Operator Algebras      *March 2017*  
University of Southampton

Noncommutative Geometry The Next Generation (Simons Semester)      *Sep.–Nov. 2016*  
IMPAN

Noncommutative Dimension Theories: Connections and Applications      *Nov. 2015*  
University of Hawai'i

Fall School "Metric Embeddings: Constructions and Obstructions"      *Nov. 2014*  
Institut Henri Poincaré

AMS Sectional      *March 2012*

University of Hawai'i

Geometry and Analysis of Large Networks

*March 2012*

Vanderbilt University

How to Run a Math Teachers' Circle

*June 2010*

American Institute of Mathematics

December 1, 2017