

SCOTT S CRAMER

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EMPLOYMENT:

2013-2016 Triennial Assistant Professor Rutgers University

EDUCATION:

2012 Ph.D. in Mathematics from the University of California, Berkeley

Thesis: Inverse Limit Reflection and the Structure of $L(V_{\lambda+1})$; **Advisor:** Hugh Woodin

2007 B.S. in Mathematics from the Massachusetts Institute of Technology

RESEARCH INTERESTS:

Set Theory, Very Large Cardinals, Strong Determinacy Axioms, Algebra

PAPERS: (AVAILABLE ON WEBSITE)

2015 *Implications of very large cardinals (survey)*, submitted.

2015 *Existence of tree representations is $L(V_{\lambda+1})$* , submitted.

2015 *Generic absoluteness from tree representations in $L(V_{\lambda+1})$* , submitted.

2015 *Rank of fixed point measures*, submitted.

2015 *Strong inverse limit reflection*, submitted.

2015 *Inverse Limit Reflection and the Structure of $L(V_{\lambda+1})$. *J. Math. Log.*, 15(1):1550001 (38 pages), 2015*

AWARDS/FELLOWSHIPS:

2015 *Visiting Fellow at the Isaac Newton Institute in Cambridge, England*

2014 *US Junior Oberwolfach Fellow*

2011, 2012 *UC Berkeley Mathematics Department Fellowship* (Spring 2011, 2012)

2011 *Oberwolfach Leibniz Graduate Student*

INVITED TALKS:

2013 *AMS Sectional Meeting* (University of Louisville, October 2013)

2013 *Beijing Normal University* (Beijing, China, June 2013)

2013 *Young Set Theory Workshop* (Orapa, Piemonte, Italy, June 2013)

2012 *Workshop in Inner Model Theory and Descriptive Set Theory* (UNT, Denton, June 2012)

TEACHING EXPERIENCE:

2013-16 Triennial Assistant Professor at Rutgers University

Calculus I, II; Differential Equations; Linear Algebra;

Introduction to Mathematical Reasoning; Probability Theory, Set Theory

2007-2010 Graduate Student Instructor at UC Berkeley

2007 GSI Teaching Conference at UC Berkeley

2007 GSI Teaching Workshop at UC Berkeley