Tetsuya Ishiu
Department of Mathematics
Miami University
123 Bachelor Hall
Oxford, OH 45056
(513)593-2616
CURRICULUM VITAE

Research Interest

- Set Theory

Education

- Ph.D., University of California, Irvine, USA, June 2003
  Advisor: Matthew Foreman
  Thesis title: *Club Guessing Sequences and Filters*
- Master's degree, Waseda University, Tokyo, Japan, March 1997
- Bachelor's degree, Waseda University, Tokyo, Japan, March 1995

Work Experience

- **Associate Professor** at Miami University, August 2012–present
- **Assistant Professor** at Miami University, August 2006–July 2012
- **Assistant Professor** at the University of Kansas, August 2003–May 2006
- **Grader** at the University of California, Irvine, January 1998–June 2003
- **Tutor** in Mathematics Tutoring Center at the University of California, Irvine, January 1998–June 2003

External Research Funding

- NSF grant DMS-0700983, 2007-2010, $92,863

Publications and Other Papers

[1] *Directive trees and games on posets* (with Yasuo Yoshinobu), Proceedings of the American Mathematical Society, 130(2002), 1477–1485.

[2] *A perfectly normal nonrealcompact space consistent with* $\mathsf{MA}_{\aleph_1}$ (with Fernando Hernández-Hernández), Topology and Its Applications, 143(1–3)(2004), 175–188.

[3] *Club guessing sequences and filters*, Journal of Symbolic Logic, 70(4)(2005), 1037–1071.

[4] *α-properness and Axiom A*, Fundamenta Mathematicae, 186(2005), 25–37.

[5] *More on perfectly normal, non-realcompact spaces*, Topology and Its Applications 153(9)(2006), 1476–1499

[6] *A tail club guessing ideal can be saturated without being a restriction of the non-stationary ideal*, The Notre Dame Journal of Formal Logic, 46(3)(2005), 327–333.

[7] *The saturation of club guessing ideals*, Annals of Pure and Applied Logic, 142(1–3)(2006), 398–424.

[8] *A fine structure construction of a perfectly normal, non-realcompact space*, Topology Proceedings, 30(2)(2006), 533–545

[9] *A non-D-space with large extent*, Topology and Its Applications, 155(11)(2008), 1256–1263

[10] *Minimality of non σ-scattered orders* (with J. Moore), Fundamenta Mathematicae, 205(2009), 29–44.

[11] *On possible models of CH without locally compact sub-Ostaszewski spaces*, Topology Proceedings, 36(2010), 37–50.

[12] *Club guessing sequences — Natural structures in set theory —* (Japanese), Sugaku 62(2)(2010), 453–478 (English translation by myself appeared in Sugaku Exposition 26(2013), no. 1, 73–98).

[13] *A sequel to "a space topologized by functions from ω to ω"* (with A. Iwasa), Topology Proceedings, 38(2011), 309–312

[14] *Some results about (+) proved by iterated forcing* (with P. Larson), Journal of Symbolic Logic 77(2012), no. 2, 515–531.

[15] $\mathbb{P}_{\max}$ *variations for separating club guessing principles* (with P. Larson), Journal of Symbolic Logic 77(2012), no. 2, 532–544

[16] *The termination of the higher-dimensional tarai functions* (with M. Kikuchi), Information Processing Letters 115(2015) no. 2, 125-127.

[17] *The comparison of various club guessing principles*, Annals of Pure and Applied Logic, 166(2015), no. 5, 583–600.

[18] *Continuous injections between products of two connected nowhere real linearly ordered spaces*, Topology Proceedings, 50 (2017), 319–333

[19] *Finite products of connected nowhere separably linearly ordered spaces*, Topology and Its Applications, 300 (2021), Paper No. 107763, 21

[20] *Archimedean positively ordered semigroups with maximal elements*, Semigroup Forum 105 (2022), no. 1, 244–264

Invited Talks

[1] Set Theory Seminar at Nagoya University, Fall 1996.

[2] Symposium on Set Theory and Recursion Theory at Kobe University, December 1996.

[3] Set Theory Seminar at Waseda University, August 2001.

[4] UCLA Logic Colloquium, April 2002.

[5] Set Theory Seminar at Waseda University, August 2002.

[6] UCLA Logic Seminar, March 2003.

[7] AMS-ASL Joint Meeting at Phoenix, AMS-ASL Special Session in Infinite Combinatorics and Inner Model Theory, January 2004.

[8] Workshop 'Singular Cardinal Combinatorics' at Banff, Canada, May 2004.

[9] ASL Annual Meeting at the Carnegie Mellon University, Special Session in Set Theory, May 2004.

[10] Set Theory Seminar at the Boise State University, July 2005.

[11] Mathematical Logic Seminar at the Carnegie Mellon University, November 2005.

[12] Topology Seminar at the University of Pittsburgh, November 2005.

[13] Mid-Atlantic Mathematical Logic Seminar (MAMLS) in honour of Menachem Magidor's sixtieth birthday at the University of California, Irvine, February 2006.

[14] The 21st Summer Conference on Topology and its Applications, at the Georgia Southern University, Special Session on Topology and Set Theory, July 2006.

[15] AMS Central Sectional Meeting at Miami University, Special Session on Large Cardinals in Set Theory, March 2007.

[16] Boise Extravaganza in Set Theory at Boise State University, March 2008.

[17] BLAST conference at the University of Denver, August 2008

[18] AMS Southeastern Sectional Meeting at Huntsville, AL, Special Session on Set-Theoretic Topology, October 2008

[19] Colloquium at the University of Dayton, March 2009

[20] Workshop on "Large cardinals and descriptive set theory" at the Erwin Schroedinger Institute in Vienna, June 2009

[21] The 48th Annual Spring Topology and Dynamics Conference at University of Richmond, March 2014

[22] AMS Fall Southeastern Sectional Meeting, at University of North Carolina, Greensboro, November 2014

[23] Colloquium at University of Dayton, February 2017

Contributed Talks

[1] South Eastern Logic Symposium at the University of Florida, March 2003

[2] Boise Extravaganza in Set Theory at Boise State University, March 2003

[3] ASL Annual Meeting at the University of Illinois, Chicago, June 2003

[4] Boise Extravaganza in Set Theory at Boise State University, March 2005

[5] AMS-ASL Joint Meeting at San Antonio, January 2006

[6] AMS Central Sectional Meeting at Miami University, Special Session in Large Cardinals in Set Theory, March 2007.

[7] Set Theory Workshop "Set Theory: Reals and Topology" (online) hosted by Kyoto University Research Institute for Mathematical Sciences (RIMS), November 2020

Fellowships

- Invitation to 'Thematic Program on Set Theory and Analysis' at the Fields Institute with financial support, September–December 2002
- Scholarship from the department at the University of California, Irvine, Fall 1997–Spring 2002
- Okuma Memorial Scholarships at Waseda University, April 1992–March 1995

Training

- Practice teaching in a Japanese high school, 1994. Certified to teach in Japanese high schools.

For more information and preprints, please refer to
http://www.users.miamioh.edu/ishiut/.