Sittinon Jirattikansakul

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Date of Birth Nationality	21st October 1992 Thai	Website	www.math.tau.ac.il/~sittinon/

Education

October 2021-September 2023	Tel Aviv University, Israel
-	Postdoctoral researcher
	Supervised by: Moti Gitik
2016 -August 2021	Carnegie Mellon University, USA
2	Ph.D. in Pure and Applied Logic, Mathematical Sciences
	Ph.D. Advisor: James Cummings
	Thesis Title: Blowing up the power of a singular cardinal of any cofinality
	with collapses
2011-2015	Chulalongkorn University, Thailand
	B.S.

Teaching Experience

2016-2021	Teaching Assistant and Grader Carnegie Mellon University
Summer 2021	21-241 Matrices and Linear Transformations (Grader)
Spring 2021	21-329 Set Theory (Grader)
Fall 2020	21-240 Matrix Algebra and Applications (TA)
Summer 2020	21-241 Matrices and Linear Transformations (Grader)
Spring 2020	21-375 Topics in Algebra: Mathematical Paradoxes (Grader)
Fall 2019	21-341 Linear Algebra (Grader)
	21-240 Matrix Algebra and Applications (TA)
	21-127 Concepts of Mathematics (Grader)
Spring 2019	21-240 Matrix Algebra and Applications (TA)
Fall 2018	21-256 Multivariate Analysis (Grader)
Summer 2018	21-127 Concepts of Mathematics (Grader)
Spring 2018	21-256 Multivariate Analysis (TA)
Fall 2017	21-341 Linear Algebra (Grader)
	21-300 Basic Logic (Grader)
Spring 2017	21-373 Algebraic Structure (Grader)
Fall 2016	21-300 Basic Logic (Grader)
2014	Teaching assistant in Mathematics Olympiad Program
	Taught studens to read and write mathematical proofs
	Thailand
2011-2012	Tutor for Calculus in the Tutor Project
	Taught Calculus I and II to the freshmen in the Faculty of Science Chulalongkorn University, Thailand
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Research interests

Mathematical logic. Specifically on Set theory. Focus on forcings, large cardinals, infinitary combinatorics. My current main focus is on Prikry-type forcings and combinatorics on singular cardinals and their successors.

Publications

June 2023	Extender-based Magidor-Radin forcings without top extenders with Moti Gitik Submitted
February 2023	A small ultrafilter number at every singular cardinal with Tom Benhamou Submitted
June 2022	Another method to add a closed unbounded set of former regulars with Moti Gitik Submitted
December 2021	Forcing from overlapping supercompact extenders Submitted
October 2020	Blowing up the power of a singular cardinal of uncountable cofinality with collapses Annals of Pure and Applied Logic, Volume 174, Issue 6, 2023 https://doi.org/10.1016/j.apal.2023.103257.

Organizations

Spring 2020

Fall 2019

Fall 2018

Spring 2019

Fall 2019-Spring 2020

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Fall 2020	Organizer, Set Theory and Model Theory seminar for grad students (GSTMT seminar) Carnegie Mellon University, USA
Contributed Talks	
Spring 2023	Silver's theorem on weak square
1 0	TAU logic seminar, Tel Aviv University, Israel
Summer 2022	Some combinatorics at singular cardinals
	Logic conference, Chulalongkorn University, Thailand
	Adding a club of former regulars to an inaccessible cardinal SETTOP, Serbia
Spring 2022	Supercompact extender-based forcing
1 0	TAU logic seminar, Tel Aviv University, Israel
Fall 2021	An introduction to nonstandard analysis
	TAU Postdoc/graduate student seminar, Tel Aviv University, Israel
Spring 2021	Large cardinals and extenders
	GSTMT seminar, Carnegie Mellon University, USA
Fall 2020	Blowing up the power of a singular cardinal of uncountable cofinality
	with collapses
	RIMS set theory workshop, Kyoto University Research Institute for
	Mathematical Sciences, Japan
	Some applications of large cardinals
	Chulalongkorn University, Thailand
	An introduction to the Keisler's order
	GSTMT seminar, Carnegie Mellon University, USA
	Squished forcing
	GSTMT seminar, Carnegie Mellon University, USA
Spring 2020	A history of SCH
	GSTMT seminar, Carnegie Mellon University, USA

Introduction to stationary reflections and squares GSTMT seminar, Carnegie Mellon University, USA

GSTMT seminar, Carnegie Mellon University, USA

GSTMT seminar, Carnegie Mellon University, USA

GSTMT seminar, Carnegie Mellon University, USA **Prikry forcings and supercompact Prikry forcings**

GSTMT seminar, Carnegie Mellon University, USA

Introduction to Propery forcings

Approachability Property

Silver's theorem

Attended conferences/ workshops

August 2022	Young Set Theory Workshop Novi Sad, Serbia
	SETTOP Novi Sad, Serbia
July 2022	Advances in set theory The Hebrew University of Jerusalem, Israel
May 2019	Logic Fest in the Windy City Chicago, Illinois, USA

June 2018	11TH YOUNG SET THEORY WORKSHOP Lausanne, Switzerland
May 2018	Association for Symbolic Logic 2018 North American Annual Meeting Macomb, Illinois, USA
Jan-Feb 2018	Winter School in Abstract Analysis 2018, section Set theory Topology Hejnice, Czech Republic

Non-academic skills

August 2021-present

Some basic Python Have taken the courses (from Coursera): Programming for Everybody (Getting Started with Python) Python Data Structures Using Python to Access Web Data Algorithmic Toolbox Introduction to Data Science in Python Currently taking (from Coursera): Machine Learning Applied Plotting, Charting Data Representation in Python