

Sittinon Jirattikansakul

📍 Department of Mathematics and Computer Science Faculty of Science, Chulalongkorn University
Phayathai Rd., Pathumwan, Bangkok 10330 Thailand

✉ sittinon.j@chula.ac.th ☎ 0 2218 7109 🔗 math.sc.chula.ac.th/people/sittinon-j

Education

- Ph.D. Carnegie Mellon University**, Pure and Applied Logic, Mathematical Sciences Aug 2016- Aug 2021
Ph.D. Advisor: James Cummings
Thesis: Blowing up the power of a singular cardinal of any cofinality with collapses
- B.S. Chulalongkorn University, Thailand**, Mathematics 2011-2015

Experience

- Chulalongkorn University**, Lecturer Bangkok, Thailand
Department of Mathematics and Computer Science Faculty of Science May 2024-present
- Tel Aviv University**, Postdoctoral researcher Tel Aviv, Israel
Postdoctoral supervisor: Moti Gitik Oct 2021 – Sep 2023

Research Interests

I am interested in Mathematical logic, especially on set theory, forcing techniques, large cardinals, and infinitary combinatorics.

Publications

1. Jirattikansakul, S., Oren, I., Rinot A., *A model for global compactness*, *Israel Journal of Mathematics* to appear.
1. Gitik, M., Jirattikansakul, S. *Extender-based Magidor-Radin forcings without top extenders*, *Annals of Pure and Applied Logic* **176** (2025), Paper No. 103584, 31 pp.
<https://doi.org/10.1016/j.apal.2025.103584> Apr 2025
2. Iamthong, K., Jirattikansakul, S., & Korkeatikhun, K. *Some Shallow Elements of Coextender Groups of Type B*, *Thai Journal of Mathematics*. **23** (2025), 21–30. Mar 2025
3. Benhamou, T., Jirattikansakul, S. *A small ultrafilter number at every singular cardinal*. *Acta Math. Hungar.* **171** (2023), 12–38 . <https://doi.org/10.1007/s10474-023-01377-9> Oct 2023
4. Jirattikansakul, S. *Blowing up the power of a singular cardinal of uncountable cofinality with collapses*, *Annals of Pure and Applied Logic* **174** (2023), Paper No. 103257, 26 pp.
<https://doi.org/10.1016/j.apal.2023.103257> June 2023

Organizations

- Organizer, Set Theory and Model Theory seminar for grad students (GSTMT seminar)** 2021
Carnegie Mellon University, USA

Selected Contributed Talks

Extender-based Magidor-Radin forcings without top extenders Special talks: MATH & COM CHULA 2025, Chulalongkorn University, Thailand	2025
Some combinatorics at singular cardinals Logic conference, Chulalongkorn University, Thailand	2022
Adding a club of former regulars to an inaccessible cardinal SETTOP, Serbia	
Supercompact extender-based forcing TAU logic seminar, Tel Aviv University, Israel	2021
An introduction to nonstandard analysis TAU Postdoc / graduate student seminar, Tel Aviv University, Israel	
Large cardinals and extenders UIC Logic seminar, University of Illinois Chicago, USA	
Blowing up the power of a singular cardinal of uncountable cofinality with collapses Prikry Forcing Online	2020
Some applications of large cardinals Chulalongkorn University	
An introduction to the Keisler's order GSTMT seminar, Carnegie Mellon University, USA	
An introduction to Proper forcings GSTMT seminar, Carnegie Mellon University, USA	2019
Prikry forcings and supercompact Prikry forcings GSTMT seminar, Carnegie Mellon University, USA	2018

Attended conferences / workshops

Annual Pure and Applied Mathematics (APAM) Chulalongkorn University, Thailand The 29th Annual Meeting in Mathematics The Emerald Hotel Bangkok, Thailand	2025
Annual Pure and Applied Mathematics (APAM) Chulalongkorn University, Thailand	2024
Young Set Theory Workshop Novi Sad, Serbia SETTOP Novia Sad, Serbia Advances in set theory The Hebrew University of Jerusalem, Israel	2022
Logic Fest in the Windy City Chicago, Illinois, USA	2019
11TH YOUNG SET THEORY WORKSHOP Lausanne, Switzerland Association for Symbolic Logic 2018 North American Annual Meeting Macomb, Illinois, USA Winter School in Abstract Analysis 2018, section Set theory Topology Hejnice, Czech Republic	2018