

# Warut Suksompong

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## Research Positions

- **School of Computing, National University of Singapore** Singapore  
Assistant Professor (NUS Presidential Young Professor) 2020–present
- **Department of Computer Science, University of Oxford** Oxford, UK  
Postdoctoral Researcher 2018–2020  
Supervisor: Prof. Edith Elkind

## Education

- **Stanford University** Stanford, USA  
*PhD in Computer Science* 2014–2018  
Thesis title: Resource Allocation and Decision Making for Groups  
Advisor: Prof. Tim Roughgarden
- **Stanford University** Stanford, USA  
*MS in Computer Science* 2014–2016
- **Massachusetts Institute of Technology** Cambridge, USA  
*MEng in Electrical Engineering and Computer Science* 2013–2014  
Thesis Title: Bounds on Multithreaded Computations by Work Stealing  
Advisor: Prof. Charles Leiserson
- **Massachusetts Institute of Technology** Cambridge, USA  
*BS in Computer Science and Engineering and in Mathematics (double major)* 2009–2013  
*Minor in Economics*  
GPA: 5.0/5.0

## Papers in Refereed Journals

1. Markus Brill, Ulrike Schmidt-Kraepelin, and Warut Suksompong, “Margin of Victory for Tournament Solutions”, *Artificial Intelligence*, Vol. 302, January 2022, Article 103600.
2. Aishwarya Agarwal, Edith Elkind, Jiarui Gan, Ayumi Igarashi, Warut Suksompong, and Alexandros A. Voudouris, “Schelling Games on Graphs”, *Artificial Intelligence*, Vol. 301, December 2021, Article 103576.
3. Mithun Chakraborty, Ulrike Schmidt-Kraepelin, and Warut Suksompong, “Picking Sequences and Monotonicity in Weighted Fair Division”, *Artificial Intelligence*, Vol. 301, December 2021, Article 103578.
4. Xiaohui Bei, Xinhang Lu, Pasin Manurangsi, and Warut Suksompong, “The Price of Fairness for Indivisible Goods”, *Theory of Computing Systems*, Vol. 65, No. 7, October 2021, pp. 1069–1093.
5. Mithun Chakraborty, Ayumi Igarashi, Warut Suksompong, and Yair Zick, “Weighted Envy-Freeness in Indivisible Item Allocation”, *ACM Transactions on Economics and Computation*, Vol. 9, No. 3, September 2021, Article 18.

6. Martin Bullinger, Warut Suksompong, and Alexandros A. Voudouris, “Welfare Guarantees in Schelling Segregation”, *Journal of Artificial Intelligence Research*, Vol. 71, 2021, pp. 143–174.
7. Naoyuki Kamiyama, Pasin Manurangsi, and Warut Suksompong, “On the Complexity of Fair House Allocation”, *Operations Research Letters*, Vol. 49, No. 4, July 2021, pp. 572–577.
8. Pasin Manurangsi and Warut Suksompong, “Closing Gaps in Asymptotic Fair Division”, *SIAM Journal on Discrete Mathematics*, Vol. 35, No. 2, 2021, pp. 668–706.
9. Hoon Oh, Ariel D. Procaccia, and Warut Suksompong, “Fairly Allocating Many Goods with Few Queries”, *SIAM Journal on Discrete Mathematics*, Vol. 35, No. 2, 2021, pp. 788–813.
10. Erel Segal-Halevi and Warut Suksompong, “How to Cut a Cake Fairly: A Generalization to Groups”, *American Mathematical Monthly*, Vol. 128, No. 1, January 2021, pp. 79–83.
11. Paul W. Goldberg, Alexandros Hollender, and Warut Suksompong, “Contiguous Cake Cutting: Hardness Results and Approximation Algorithms”, *Journal of Artificial Intelligence Research*, Vol. 69, 2020, pp. 109–141.
12. Maria Kyropoulou, Warut Suksompong, and Alexandros A. Voudouris, “Almost Envy-Freeness in Group Resource Allocation”, *Theoretical Computer Science*, Vol. 841, November 2020, pp. 110–123.
13. Xiaohui Bei, Guangda Huzhang, and Warut Suksompong, “Truthful Fair Division without Free Disposal”, *Social Choice and Welfare*, Vol. 55, No. 3, October 2020, pp. 523–545.
14. Pasin Manurangsi and Warut Suksompong, “When Do Envy-Free Allocations Exist?”, *SIAM Journal on Discrete Mathematics*, Vol. 34, No. 3, 2020, pp. 1505–1521.
15. Warut Suksompong, “On the Number of Almost Envy-Free Allocations”, *Discrete Applied Mathematics*, Vol. 284, September 2020, pp. 606–610.
16. Tomer Ezra, Michal Feldman, Tim Roughgarden, and Warut Suksompong, “Pricing Multi-Unit Markets”, *ACM Transactions on Economics and Computation*, Vol. 7, No. 4, February 2020, Article 20.
17. Christian Saile and Warut Suksompong, “Robust Bounds on Choosing from Large Tournaments”, *Social Choice and Welfare*, Vol. 54, No. 1, January 2020, pp. 87–110.
18. Erel Segal-Halevi and Warut Suksompong, “Democratic Fair Allocation of Indivisible Goods”, *Artificial Intelligence*, Vol. 277, December 2019, Article 103167.
19. Jiarui Gan, Warut Suksompong, and Alexandros A. Voudouris, “Envy-Freeness in House Allocation Problems”, *Mathematical Social Sciences*, Vol. 101, September 2019, pp. 104–106.
20. Warut Suksompong, “On Black-Box Transformations in Downward-Closed Environments”, *Theory of Computing Systems*, Vol. 63, No. 6, August 2019, pp. 1207–1227.
21. Ian A. Kash, Peter Key, and Warut Suksompong, “Simple Pricing Schemes for the Cloud”, *ACM Transactions on Economics and Computation*, Vol. 7, No. 2, August 2019, Article 7.
22. Warut Suksompong, “Fairly Allocating Contiguous Blocks of Indivisible Items”, *Discrete Applied Mathematics*, Vol. 260, May 2019, pp. 227–236.
23. Pasin Manurangsi and Warut Suksompong, “Computing a Small Agreeable Set of Indivisible Items”, *Artificial Intelligence*, Vol. 268, March 2019, pp. 96–114.
24. Felix Brandt, Markus Brill, Hans Georg Seedig, and Warut Suksompong, “On the Structure of Stable Tournament Solutions”, *Economic Theory*, Vol. 65, No. 2, March 2018, pp. 483–507.
25. Warut Suksompong, “Approximate Maximin Shares for Groups of Agents”, *Mathematical Social Sciences*, Vol. 92, March 2018, pp. 40–47.

26. Michael P. Kim, Warut Suksompong, and Virginia Vassilevska Williams, “Who Can Win a Single-Elimination Tournament?”, *SIAM Journal on Discrete Mathematics*, Vol. 31, No. 3, 2017, pp. 1751–1764.
27. Pasin Manurangsi and Warut Suksompong, “Asymptotic Existence of Fair Divisions for Groups”, *Mathematical Social Sciences*, Vol. 89, September 2017, pp. 100–108.
28. Warut Suksompong, “Asymptotic Existence of Proportionally Fair Allocations”, *Mathematical Social Sciences*, Vol. 81, May 2016, pp. 62–65.
29. Florian Brandl, Felix Brandt, and Warut Suksompong, “The Impossibility of Extending Random Dictatorship to Weak Preferences”, *Economics Letters*, Vol. 141, April 2016, pp. 44–47.
30. Warut Suksompong, Charles E. Leiserson, and Tao B. Schardl, “On the Efficiency of Localized Work Stealing”, *Information Processing Letters*, Vol. 116, No. 2, February 2016, pp. 100–106.
31. Charles E. Leiserson, Tao B. Schardl, and Warut Suksompong, “Upper Bounds on Number of Steals in Rooted Trees”, *Theory of Computing Systems*, Vol. 58, No. 2, February 2016, pp. 223–240.
32. Felix Brandt, Markus Brill, and Warut Suksompong, “An Ordinal Minimax Theorem”, *Games and Economic Behavior*, Vol. 95, January 2016, pp. 107–112.
33. Warut Suksompong, “Scheduling Asynchronous Round-Robin Tournaments”, *Operations Research Letters*, Vol. 44, No. 1, January 2016, pp. 96–100.
34. Warut Suksompong, “Individual and Group Stability in Neutral Restrictions of Hedonic Games”, *Mathematical Social Sciences*, Vol. 78, November 2015, pp. 1–5.
35. Sebastian A. Csar, Rik Sengupta, and Warut Suksompong, “On a Subsubset of the Tamari Lattice”, *Order*, Vol. 31, No. 3, March 2014, pp. 337–363.

## Papers in Proceedings of Refereed Conferences

1. Mithun Chakraborty, Ulrike Schmidt-Kraepelin, and Warut Suksompong, “Picking Sequences and Monotonicity in Weighted Fair Division”, in *Proceedings of the 30th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2021, pp. 82–88.
2. Edith Elkind, Erel Segal-Halevi, and Warut Suksompong, “Graphical Cake Cutting via Maximin Share”, in *Proceedings of the 30th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2021, pp. 161–167.
3. Edith Elkind, Erel Segal-Halevi, and Warut Suksompong, “Keep Your Distance: Land Division With Separation”, in *Proceedings of the 30th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2021, pp. 168–174.<sup>1</sup>
4. Pasin Manurangsi and Warut Suksompong, “Generalized Kings and Single-Elimination Winners in Random Tournaments”, in *Proceedings of the 30th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2021, pp. 328–334.
5. Pasin Manurangsi and Warut Suksompong, “Almost Envy-Freeness for Groups: Improved Bounds via Discrepancy Theory”, in *Proceedings of the 30th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2021, pp. 335–341.
6. Xiaohui Bei, Ayumi Igarashi, Xinhang Lu, and Warut Suksompong, “The Price of Connectivity in Fair Division”, in *Proceedings of the 35th AAAI Conference on Artificial Intelligence (AAAI)*, February 2021, pp. 5151–5158.

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<sup>1</sup>One of the 3 papers receiving the IJCAI 2021 Distinguished Paper Award out of 4204 submissions and 587 accepted papers

7. Xiaohui Bei and Warut Suksompong, “Dividing a Graphical Cake”, in *Proceedings of the 35th AAAI Conference on Artificial Intelligence (AAAI)*, February 2021, pp. 5159–5166.
8. Markus Brill, Ulrike Schmidt-Kraepelin, and Warut Suksompong, “Margin of Victory in Tournaments: Structural and Experimental Results”, in *Proceedings of the 35th AAAI Conference on Artificial Intelligence (AAAI)*, February 2021, pp. 5228–5235.
9. Martin Bullinger, Warut Suksompong, and Alexandros A. Voudouris, “Welfare Guarantees in Schelling Segregation”, in *Proceedings of the 35th AAAI Conference on Artificial Intelligence (AAAI)*, February 2021, pp. 5236–5243.
10. Edith Elkind, Erel Segal-Halevi, and Warut Suksompong, “Mind the Gap: Cake Cutting With Separation”, in *Proceedings of the 35th AAAI Conference on Artificial Intelligence (AAAI)*, February 2021, pp. 5330–5338.
11. Paul W. Goldberg, Alexandros Hollender, Ayumi Igarashi, Pasin Manurangsi, and Warut Suksompong, “Consensus Halving for Sets of Items”, in *Proceedings of the 16th Conference on Web and Internet Economics (WINE)*, December 2020, pp. 384–397.
12. Mithun Chakraborty, Ayumi Igarashi, Warut Suksompong, and Yair Zick, “Weighted Envy-Freeness in Indivisible Item Allocation”, in *Proceedings of the 19th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, May 2020, pp. 231–239.
13. Markus Brill, Ulrike Schmidt-Kraepelin, and Warut Suksompong, “Refining Tournament Solutions via Margin of Victory”, in *Proceedings of the 34th AAAI Conference on Artificial Intelligence (AAAI)*, February 2020, pp. 1862–1869.
14. Paul W. Goldberg, Alexandros Hollender, and Warut Suksompong, “Contiguous Cake Cutting: Hardness Results and Approximation Algorithms”, in *Proceedings of the 34th AAAI Conference on Artificial Intelligence (AAAI)*, February 2020, pp. 1990–1997.
15. Xiaohui Bei, Xinhang Lu, Pasin Manurangsi, and Warut Suksompong, “The Price of Fairness for Indivisible Goods”, in *Proceedings of the 28th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2019, pp. 81–87.
16. Edith Elkind, Jiarui Gan, Ayumi Igarashi, Warut Suksompong, and Alexandros A. Voudouris, “Schelling Games on Graphs”, in *Proceedings of the 28th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2019, pp. 266–272.
17. Maria Kyropoulou, Warut Suksompong, and Alexandros A. Voudouris, “Almost Envy-Freeness in Group Resource Allocation”, in *Proceedings of the 28th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2019, pp. 400–406.
18. Pasin Manurangsi and Warut Suksompong, “When Do Envy-Free Allocations Exist?”, in *Proceedings of the 33rd AAAI Conference on Artificial Intelligence (AAAI)*, January–February 2019, pp. 2109–2116.
19. Hoon Oh, Ariel D. Procaccia, and Warut Suksompong, “Fairly Allocating Many Goods with Few Queries”, in *Proceedings of the 33rd AAAI Conference on Artificial Intelligence (AAAI)*, January–February 2019, pp. 2141–2148.
20. Christian Saile and Warut Suksompong, “Robust Bounds on Choosing from Large Tournaments”, in *Proceedings of the 14th Conference on Web and Internet Economics (WINE)*, December 2018, pp. 393–407.
21. Tomer Ezra, Michal Feldman, Tim Roughgarden, and Warut Suksompong, “Pricing Multi-Unit Markets”, in *Proceedings of the 14th Conference on Web and Internet Economics (WINE)*, December 2018, pp. 140–153.

22. Erel Segal-Halevi and Warut Suksompong, “Democratic Fair Allocation of Indivisible Goods”, in *Proceedings of the 27th International Joint Conference on Artificial Intelligence (IJCAI)*, July 2018, pp. 482–488.
23. Xiaohui Bei, Guangda Huzhang, and Warut Suksompong, “Truthful Fair Division without Free Disposal”, in *Proceedings of the 27th International Joint Conference on Artificial Intelligence (IJCAI)*, July 2018, pp. 63–69.
24. Ian A. Kash, Peter Key, and Warut Suksompong, “Simple Pricing Schemes for the Cloud”, in *Proceedings of the 13th Conference on Web and Internet Economics (WINE)*, December 2017, pp. 311–324.
25. Warut Suksompong, “Fairly Allocating Contiguous Blocks of Indivisible Items”, in *Proceedings of the 10th International Symposium on Algorithmic Game Theory (SAGT)*, September 2017, pp. 333–344.
26. Warut Suksompong, “Approximate Maximin Shares for Groups of Agents”, in *Proceedings of the 10th International Symposium on Algorithmic Game Theory (SAGT)*, September 2017, p. XIV.<sup>2</sup>
27. Warut Suksompong, “On Black-Box Transformations in Downward-Closed Environments”, in *Proceedings of the 10th International Symposium on Algorithmic Game Theory (SAGT)*, September 2017, p. XV.<sup>2</sup>
28. Pasin Manurangsi and Warut Suksompong, “Asymptotic Existence of Fair Divisions for Groups”, in *Proceedings of the 10th International Symposium on Algorithmic Game Theory (SAGT)*, September 2017, pp. XII–XIII.<sup>2</sup>
29. Pasin Manurangsi and Warut Suksompong, “Computing an Approximately Optimal Agreeable Set of Items”, in *Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2017, pp. 338–344.
30. Warut Suksompong, “Assigning a Small Agreeable Set of Indivisible Items to Multiple Players”, in *Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI)*, July 2016, pp. 489–495.
31. Michael P. Kim, Warut Suksompong, and Virginia Vassilevska Williams, “Who Can Win a Single-Elimination Tournament?”, in *Proceedings of the 30th AAAI Conference on Artificial Intelligence (AAAI)*, February 2016, pp. 516–522.
32. Sebastian A. Csar, Rik Sengupta, and Warut Suksompong, “On a Subposet of the Tamari Lattice”, in *Proceedings of the 24th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC)*, July–August 2012, pp. 567–578.

## **Papers in Informal Proceedings of Refereed Workshops**

1. Mithun Chakraborty, Ayumi Igarashi, Warut Suksompong, and Yair Zick, “Weighted Envy-Freeness in Indivisible Item Allocation”, in *Proceedings of the 8th International Workshop on Computational Social Choice (COMSOC)*, June 2021.
2. Edith Elkind, Erel Segal-Halevi, and Warut Suksompong, “Mind the Gap: Cake Cutting With Separation”, in *Proceedings of the 8th International Workshop on Computational Social Choice (COMSOC)*, June 2021.
3. Mithun Chakraborty, Ulrike Schmidt-Kraepelin, and Warut Suksompong, “Picking Sequences and Monotonicity in Weighted Fair Division”, in *Proceedings of the 3rd Games, Agents, and Incentives Workshop (GAIW)*, May 2021.

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<sup>2</sup>The paper was accepted to the conference as a full paper but published as an abstract.

4. Mithun Chakraborty, Ayumi Igarashi, Warut Suksompong, and Yair Zick, “Weighted Envy-Freeness in Indivisible Item Allocation”, in *Proceedings of the 2nd Games, Agents, and Incentives Workshop (GAIW)*, May 2020.
5. Florian Brandl, Felix Brandt, Dominik Peters, Christian Stricker, and Warut Suksompong, “Donor Coordination: Collective Distribution of Individual Contributions”, in *Proceedings of the 1st Games, Agents, and Incentives Workshop (GAIW)*, May 2019.
6. Erel Segal-Halevi and Warut Suksompong, “Democratic Fair Allocation of Indivisible Goods”, in *Proceedings of the 7th International Workshop on Computational Social Choice (COMSOC)*, June 2018.
7. Christian Saile and Warut Suksompong, “Robust Bounds on Choosing from Large Tournaments”, in *Proceedings of the 7th International Workshop on Computational Social Choice (COMSOC)*, June 2018.
8. Ian A. Kash, Peter Key, and Warut Suksompong, “Simple Pricing Schemes for the Cloud”, in *Proceedings of the 12th Workshop on the Economics of Networks, Systems and Computation (NetEcon)*, June 2017.
9. Michael P. Kim, Warut Suksompong, and Virginia Vassilevska Williams, “Who Can Win a Single-Elimination Tournament?”, in *Proceedings of the 6th International Workshop on Computational Social Choice (COMSOC)*, June 2016.

## Surveys

1. Warut Suksompong, “Tournaments in Computational Social Choice: Recent Developments,” in *Proceedings of the 30th International Joint Conference on Artificial Intelligence (IJCAI)*, August 2021, pp. 4611–4618.

## Theses

1. Warut Suksompong, “Resource Allocation and Decision Making for Groups,” PhD Thesis, *Stanford University*, August 2018.
2. Warut Suksompong, “Bounds on Multithreaded Computations by Work Stealing,” Master’s Thesis, *Massachusetts Institute of Technology*, June 2014.

## Honors and Awards

- **IJCAI Distinguished Paper Award** 2021  
One of the 3 papers to receive this recognition out of 4204 submissions and 587 accepted papers
- **NUS Presidential Young Professorship** 2020–present  
Early career track at NUS for exceptional young academic talents with great potential to excel
- **Stanford Graduate Fellowship** 2014–2017  
Full scholarship for three years of PhD study to support exceptional incoming and continuing doctoral students at Stanford
- **Siebel Scholar** 2013–2014  
Awarded annually for academic excellence and demonstrated leadership to 85 top students from the world’s leading graduate schools
- **King’s Scholarship** 2008–2013  
Full scholarship awarded annually to 9 students in Thailand for undergraduate study abroad
- **International Mathematical Olympiad (IMO)** 2007–2008  
Gold medal, 2008, Bronze medal, 2007

## Teaching

- **Instructor**, National University of Singapore
  - Design and Analysis of Algorithms (CS 3230): Spring 2022
  - Algorithmic Mechanism Design (CS 4261/5461): Fall 2021
  - Topics in Computational Social Choice (CS 6235): Spring 2021
- **Class Tutor**, University of Oxford
  - Computational Game Theory: Michaelmas 2018
- **Teaching Assistant**, Stanford University
  - The Modern Algorithmic Toolbox (CS 168): Spring 2017, Spring 2018
  - Incentives in Computer Science (CS 269I): Fall 2016

## Services

- **Program Committee Member**
  - AAAI Conference on Artificial Intelligence (AAAI): 2019, 2020, 2021<sup>3</sup>, 2022
  - International Joint Conference on Artificial Intelligence (IJCAI): 2018<sup>4</sup>, 2019, 2020
  - International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS): 2020, 2021, 2022
  - ACM Conference on Economics and Computation (EC): 2019, 2020, 2021
  - Conference on Web and Internet Economics (WINE): 2021
  - International Symposium on Algorithmic Game Theory (SAGT): 2018
  - European Conference on Artificial Intelligence (ECAI): 2020
  - Games, Agents, and Incentives Workshop (GAIW): 2020, 2021
  - Workshop on Theoretical Aspects of Fairness (WTAF): 2019
- **Journal Reviewer**: ACM Transactions on Economics and Computation, Annals of Operations Research, Artificial Intelligence, Autonomous Agents and Multi-Agent Systems, Computers & Operations Research, Discrete Mathematics, Economic Theory, European Journal of Political Economy, Information Processing Letters, International Transactions in Operational Research, Journal of Artificial Intelligence Research, Journal of Combinatorial Optimization, Mathematical Programming, Mathematical Social Sciences, Mathematics of Operations Research, Omega, Operations Research Letters, SIAM Journal on Computing, Social Choice and Welfare, Theoretical Computer Science, Theory and Decision
- **Conference Reviewer**
  - International Joint Conference on Artificial Intelligence (IJCAI): 2016, 2017
  - ACM Conference on Economics and Computation (EC): 2018
  - Conference on Web and Internet Economics (WINE): 2019, 2020
  - International Symposium on Algorithmic Game Theory (SAGT): 2019, 2021
  - ACM-SIAM Symposium on Discrete Algorithms (SODA): 2021, 2022
  - Innovations in Theoretical Computer Science Conference (ITCS): 2020

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<sup>3</sup>Included in the top 25% of program committee members

<sup>4</sup>Recognized as a distinguished program committee member

- Symposium on Theoretical Aspects of Computer Science (STACS): 2021
- European Symposium on Algorithms (ESA): 2018, 2021
- International Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX): 2019
- International Symposium on Algorithms and Computation (ISAAC): 2019, 2020
- **Problem Selection Committee Member & Coordinator**, International Mathematical Olympiad, 2015
- **Grader**, USA Mathematical Olympiad, 2010–11, 2013–15, 2018

## Research Visits & Internships

- **Department of Computer Science, Technical University of Berlin** Berlin, Germany  
Host: Prof. Markus Brill 5/2019, 3/2020
- **Computer Science Department, Carnegie Mellon University** Pittsburgh, USA  
Host: Prof. Ariel Procaccia 7–8/2017, 9–10/2019
- **School of Computing, National University of Singapore** Singapore  
Host: Prof. Yair Zick 9/2019
- **Division of Mathematical Sciences, Nanyang Technological University** Singapore  
Host: Prof. Xiaohui Bei 2017–2019 (3 visits)
- **Microsoft Research Cambridge** Cambridge, UK  
Hosts: Dr. Ian Kash and Dr. Peter Key 6/2016–9/2016
- **Institute of Computer Science, Technical University of Munich** Munich, Germany  
Host: Prof. Felix Brandt 2014–2019 (6 visits)
- **Department of Mathematics, University of Minnesota, Twin Cities** Minneapolis, USA  
Hosts: Prof. Victor Reiner and Prof. Dennis Stanton 6/2010–7/2010

## Selected Talks

- “Asymptotic Results in Fair Division”, Invited Talk, *Workshop on Fair Resource Allocation: Concepts, Algorithms and Complexity*, Online (held in conjunction with the 22nd ACM Conference on Economics and Computation), July 2021.
- “Tournaments in Computational Social Choice”, Invited Tutorial, *Summer School on Game Theory and Social Choice*, Online (organized by the City University of Hong Kong), July 2021.
- “The Price of Connectivity in Fair Division”, *AlgoTheory Seminar*, National University of Singapore, March 2021.
- “Resource Allocation and Decision Making for Groups”, *Department of Computing Research Seminar*, Hong Kong Polytechnic University, November 2019.
- “Fair Division of Indivisible Items: Asymptotics and Graph-Theoretic Approaches”, Tutorial, *28th International Joint Conference on Artificial Intelligence (IJCAI)*, Macao, China, August 2019 (with Ayumi Igarashi).
- “Schelling Games on Graphs”, *Algorithm Engineering Research Seminar*, Hasso Plattner Institute, Potsdam, Germany, May 2019.
- “Almost Envy-Freeness in Group Resource Allocation”, *Research Colloquium on Economics and Computation*, Technical University of Berlin, Germany, May 2019.

- “Asymptotic Results in Fair Division”, *Kolloquium Mathematische Informatik*, Goethe University Frankfurt, Germany, February 2019.
- “Fairly Allocating Many Goods with Few Queries”, *6th Day on Computational Game Theory*, Hasso Plattner Institute, Potsdam, Germany, February 2019.
- “Simple Pricing Schemes for the Cloud”, *Google Techtalk*, Google Mountain View, USA, January 2018.
- “Computing a Small Agreeable Set of Indivisible Items”, *Division of Mathematical Sciences Seminar*, Nanyang Technological University, Singapore, December 2017.
- “On the Structure of Stable Tournament Solutions”, *Theory Lunch*, Stanford University, USA, March 2017.
- “An Ordinal Minimax Theorem”, *5th World Congress of the Game Theory Society (GAMES)*, Maastricht, Netherlands, July 2016.

## **Skills**

- **Languages:** Thai (native), English, French, German