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Employment	02/24 - current	National Yang Ming Chiao Tung University Assistant Professor (Tenure-track) University of Copenhagen Postdoctoral Besearcher		
	11/23 - 01/24			
	2021 - 2023	University of Oslo Postdoctoral Researcher Brown University Croucher Postdoctoral Fellow		
	2019 - 2021			
	2018 - 2019	University of Bern Postdoctoral Research	her	
Education	2012 - 2018 2008 - 2012	Georgia Institute of T Ph.D. in Algorithms, C Advisor: Matthew Bak Thesis: Geometric Bije Minor: Algorithms wit The Chinese Universit	Cechnology Combinatorics, and Optimization eer ections of Graphs and Regular Matroids h Randomness ty of Hong Kong	
		B.Sc. in Mathematics (B.Eng. in Information	(First Class Honor) Engineering (First Class Honor)	
PUBLICATIONS	The Amoeba Dimension of a Linear Space. With Jan Draisma, Sarah Eggleston, Rudi Pendavingh, and Johannes Rau. Proceedings of the American Mathematical Society 152 , 2385–2401, 2024.			
	Critical Groups of Adinkras up to 2-Rank of Cayley Graphs. Electronic Journal of Combinatorics 31 , Paper No. 1.38, 9pp, 2024.			
	Sandpile Groups of Cayley Graphs of \mathbb{F}_2^r . With Jiyang Gao, Jared Marx-Kuo, and Vaughan McDonald. Accepted by <i>Communications in Algebra</i> .			
	Eigenvalues and Critical Groups of Adinkras. With Kevin Iga, Caroline Klivans, and Jordan Kostiuk. Advances in Applied Mathematics 143 , Paper No. 102450, 45pp, 2023.			
	Critical Groups of Strongly Regular Graphs and Their Generalizations. With Kenneth Hung. Innovations in Incidence Geometry: Algebraic, Topological and Combinatorial 19 , 95–109, 2022.			
	Oriented Matroids from Triangulations of Products of Simplices. With Marcel Celaya and Georg Loho. Selecta Mathematica, New Series 30 , Art. 47, 32pp, 2024.			
	Patchworking Oriented Matroids. With Marcel Celaya and Georg Loho. Journal of the London Mathematical Society 106 , 3545–3576, 2022.			
	The Dimension of an Amoeba. With Jan Draisma and Johannes Rau. Bulletin of the London Mathematical Society 52 , 16–23, 2020.			

	Extension-lifting Bijections Bijections for Oriented Matroids. With Spencer Backman and Francisco Santos. Submitted. Preprint available at arXiv:1904.03562. Extended abstract accept FPSAC 2019.	ed by		
	On the Number of Circuit-cocircuit Reversal Classes of an Oriented Matroid. With Emeric Gioan. Discrete Mathematics 342 , 1056–1059, 2019.			
	Geometric Bijections for Regular Matroids, Zonotopes, and Ehrhart Theory. With Spencer Backman and Matthew Baker. Forum of Mathematics, Sigma 7, e45, 37pp, 2019.			
	Geometric Bijections Between Spanning Trees and Break Divisors. Journal of Combinatorial Theory, Series A 152, 159–189, 2017.			
Selected Honors, Awards and Scholarships	2019 – 2021Croucher Fellowship for Postdoctoral Research2018 – 2019Georgia Tech School of Mathematics Best PhD Thesis AwardSpring 2018Institut Mittag-Leffler FellowshipSummer 2011Caltech – Hong Kong Undergraduate Research Fellowship	1		
Selected Talks	Filtrations of Tope Spaces of Oriented Matroids MIT-Harvard Combinatorics Seminar. (September 2023) QMUL Workshop on Matroids and Tropical Combinatorics. (January 2023) KTH Combinatorics Seminar. (November 2022)			
	The Critical Groups of Adinkras Brandeis Combinatorics Seminar. (November 2021)			
	Oriented Matroids from Triangulations of Products of Simplices BIRS Workshop on Algebraic Aspects of Matroid Theory. (March 2023) CAS Workshop on Real Structures in Geometry. (August 2021) AMS Sectional Meeting, Special Session on Algebraic, Geometric & Topological Com- binatorics. (September 2020)			
	The Dimension of an Amoeba Scandinavian Gathering Around Remarkable Discrete Mathematics. (May 2019) Georgia Tech Algebra Seminar. (January 2019)			
	Geometric Bijections of Graphs and Regular Matroids CIRM Workshop on Combinatorial Geometries. (September 2018) Institut Mittag-Leffler Seminar. (February 2018) MIT Combinatorics Seminar. (October 2017) Atlanta Lecture Series in Combinatorics and Graph Theory. (September 2017) Brown University Discrete Math Seminar. (May 2017) BIRS–CMO Workshop on Sandpile Groups. (November 2015) Cornell Combinatorics and Discrete Geomtry Seminar. (April 2015)			
Mentoring Experiences	At University of OsloSpring 23Undergraduate Project (MAT2000) of Trond Skaret JohansenAt Brown University2020–2021Senior Honor Thesis of Nathan Zelesko (Co-advising with Melody Chau			
Teaching Experiences	Lecturer at NYCU Spring 24 Calculus A (II) Spring 24 Discrete Mathematics	,		

Lecturer at University of Copenhagen Block 2 23-24 Invitation to Combinatorics Lecturer at University of Oslo Spring 22 Groups, Rings and Fields (Co-lecturing with Kris Shaw) Assistant at University of Bern Algorithms in Algebra Spring 19 Fall 18 Mathematik I für Naturwissenschaften Fall 18 Seminar: Tensors, Geometry and Applications Lead Instructor at Georgia Tech Summer 18 Introduction to Discrete Mathematics Fall 16 Grad Level Graph Theory (Co-lecturing with Robin Thomas) Teaching Assistant at Georgia Tech Fall 17 Introduction to Discrete Mathematics Fall 16 Linear Algebra with Abstract Vector Spaces Fall 15 Introduction to Discrete Mathematics Fall 14 Honors Calculus II Fall 13 Calculus II Fall 12 Calculus III Other Teaching Summer 14 Towards Diff. Geometry (Head Tutor of EPYMT at CUHK) OTHER SERVICES Referee for PNAS, Forum of Mathematics, Sigma, Journal of the LMS, SIAM Journal on Applied Algebra and Geometry, Combinatorial Theory, Combinatorica, Algebraic Combinatorics, European Journal of Combinatorics, Electronic Journal of Com-

> binatorics, Discrete Mathematics, Discrete Applied Mathematics, FPSAC International Conference, and American Mathematical Monthly.

Co-organizer of the first MaP-Trop seminar series at KTH and UiO (Jan 2024).

Co-organizer of the minisymposium Chip-firing and Tropical Curves at SIAMAG 19.

Committee Member of the Major Exam of Changxin Ding (Brandeis, 2021).

Coordinator of the 57th International Mathematical Olympiad.