

CONTACT INFORMATION	Email: chow@vt.edu	
FIELDS OF INTEREST	Geometric representation theory, mirror symmetry, Schubert calculus, symplectic topology	
POSITIONS	Virginia Tech <i>Patricia Caldwell Postdoctoral Fellow</i>	Aug 2025 - present
	Max Planck Institute for Mathematics <i>Postdoctoral Fellow</i>	Aug 2024 - Jul 2025
	Independent researcher	Aug 2022 - Jul 2024
EDUCATION	The Chinese University of Hong Kong <i>Ph.D. in Mathematics</i> <i>Advisor: Prof. Naichung Conan Leung</i>	2018-2022
	The Chinese University of Hong Kong <i>M.Phil. in Mathematics</i> <i>Advisor: Prof. Naichung Conan Leung</i>	2015-2018
	The Chinese University of Hong Kong <i>B.S. in Mathematics</i>	2012-2015
PUBLICATIONS	<i>Peterson-Lam-Shimozono's theorem is an affine analogue of quantum Chevalley formula</i>, Forum Math. Sigma 13 (2025), e62. (With N.C. Leung) <i>Twisted cyclic group actions on Fukaya category and mirror symmetry</i>, J. Symplectic Geom. 20 (2022), no. 4, 813-835.	
PREPRINTS	<i>Gamma conjecture I for flag varieties</i>, arXiv:2501.13221. <i>The $D_{\hbar}$-module mirror conjecture for flag varieties</i>, arXiv:2311.15523. <i>On D. Peterson's presentation of quantum cohomology of G/P</i>, arXiv:2210.17382. <i>Quantum characteristic classes, moment correspondences and Hamiltonian groups of coadjoint orbit</i>, arXiv:2107.08576. (With H. Bae and N.C. Leung) <i>Applications of the theory of Floer to symmetric spaces</i>, arXiv:2103.00382.	
INVITED TALKS	- Friday Seminar (online) - MPIM Oberseminar - MPIM Topology Seminar - Schubert Seminar (online) - Symplectic Zoominar (online) - Western Hemisphere Virtual Symplectic Seminar (online) - Freemath (online)	May 2, 2025 Mar 13, 2025 Sep 30, 2024 Jan 29, 2024 Nov 5, 2021 Oct 8, 2021 Oct 5, 2021

SERVICE

- Referee for: Advances in Mathematics, Mathematische Zeitschrift
- Co-organizer for Bonn Symplectic Geometry Seminar for the 2024-2025 year
- Co-examiner (Beisitzer) for the final exam of the course “Introduction to symplectic geometry” at the University of Bonn (Instructors: Nathaniel Bottman & Laurent Côté)

TEACHING
EXPERIENCE**The Chinese University of Hong Kong**

2015-2021

Teaching Assistant

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|--|-------------------|
| 1. MATH 1030 (Linear Algebra I) | Fall 2015, 2016 |
| 2. MATH 1050 (Foundation of Modern Mathematics) | Spring 2016 |
| 3. MATH 2020 (Advanced Calculus II) | Fall 2018, 2019 |
| 4. MATH 3030 (Algebra I) | Fall 2016 |
| 5. MATH 3040 (Fields and Galois Theory) | Spring 2019 |
| 6. MATH 3070 (Introduction to Topology) | Spring 2020, 2021 |
| 7. MATH 4030 (Differential Geometry) | Fall 2017 |
| 8. MMAT 5120 (Topics in Geometry) | Fall 2020 |
| 9. MMAT 5530 (Finite Mathematics and Mathematical Programming) | Spring 2018 |