

FINN WIERSIG

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EMPLOYMENT

National University of Singapore Peng Tsu Ann Assistant Professor	Aug 2025 - Present
St Peter's College, University of Oxford Stipendiary Lecturer in Pure Mathematics	Oct 2023 - Jul 2024, Apr - Jun 2023

EDUCATION

University of Oxford Doctor of Philosophy in Mathematics Supervised by Prof. Konstantin Ardakov and Prof. Kobi Kremnitzer	Oct 2020 - Jul 2024
University of California at Berkeley Informal visiting via an invitation by Prof. Bernd Sturmfels	Jan - Feb 2020
Otto-von-Guericke-University Magdeburg B. Sc. in Mathematics, with distinction Thesis supervised by Prof. Thomas Kahle	Oct 2017 - Sep 2020

PREPRINTS AND PUBLICATIONS

1. *Reconstruction theorems for coadmissible $\widehat{\mathcal{D}}$ -modules*
[arXiv:2506.12601](https://arxiv.org/abs/2506.12601), submitted.
2. *Solution and de Rham functors for $\widehat{\mathcal{D}}$ -modules*
[arXiv:2309.13769](https://arxiv.org/abs/2309.13769), submitted.
3. *No short polynomials vanish on bounded rank matrices*, with J. Draisma and T. Kahle,
Bulletin LMS 55 (4) (2023), pp. 1791 - 1807, [arXiv:2112.11764](https://arxiv.org/abs/2112.11764).

SELECTED TALKS

- Morningside Center of Mathematics, four lectures May 2026*
- Korea Institute for Advanced Study (KIAS), two-three lectures Apr 2026*
- Advances in p -adic \mathcal{D} -modules, Shanghai (SIMIS) Mar 2026*
A reconstruction theorem for coadmissible $\widehat{\mathcal{D}}$ -modules
- $\ell = p$: New developments in p -adic representation theory, Essen Mar 2026*
Towards a Kashiwara-style constructibility theorem for p -adic \mathcal{D} -modules
- Arithmetic Geometry in Shenzhen II Nov 2025
A reconstruction theorem for coadmissible $\widehat{\mathcal{D}}$ -modules
- University of Oxford, Algebra seminar Jun 2025
A reconstruction theorem for coadmissible $\widehat{\mathcal{D}}$ -modules
- The University of Tokyo, four lectures May 2025
Towards a Riemann-Hilbert correspondence for $\widehat{\mathcal{D}}$ -modules,
- The University of Hong Kong Jan 2025
A reconstruction theorem for $\widehat{\mathcal{D}}$ -modules
- National University of Singapore, Representation Theory and Number Theory Seminar Nov 2024
A solution functor for $\widehat{\mathcal{D}}$ -modules

*Upcoming

- Southern University of Science and Technology, Shenzhen
Towards a p -adic analytic Riemann-Hilbert correspondence, May 2024
- Bergische Universität Wuppertal, Seminar Algebra und Topologie
Towards a p -adic analytic Riemann-Hilbert correspondence May 2024
- Alfréd Rényi Institute of Mathematics (Budapest), Automorphic forms seminar
Towards a p -adic analytic Riemann-Hilbert correspondence Apr 2024
- University of Oxford, Algebra seminar
A solution functor for $\widehat{\mathcal{D}}$ -modules Nov 2023

TEACHING

National University of Singapore

- *Commutative Algebra and Homological Algebra* Spring 2026
- *Algebra II* Autumn 2025
- *Algebra I* Spring 2025
- *Algebra II* Autumn 2024

University of Oxford, St Peter's College

- *Stipendiary Lecturer in Pure Mathematics* Summer 2023 - Summer 2024
teaching *Linear Algebra, Metric Spaces and Complex Analysis,*
Rings and Modules, Topology, Number Theory, and Projective geometry

University of Oxford, Wadham College

- Tutor for *Multivariable Calculus* Spring 2022

University of Oxford, Mathematical institute

- Tutor for *Algebraic Number Theory,* Summer 2023
- Tutor for *Algebraic Number Theory,* revision classes Spring 2022
- Tutor for *Lie algebras* Autumn 2022
- Tutor for *Introduction to Schemes* Spring 2021
- Tutor for *Category Theory* Autumn 2021
- Teaching assistant for *Non-commutative rings* Spring 2021
- Teaching assistant for *Introduction to Representation Theory* Winter 2020

SEMINAR ORGANISATION

- Seminar on *Colmez' Montreal Functor* Jan - Mar 2024
co-organised with Zachary Feng and James Taylor
- Seminar on *Rapoport-Zink spaces* Jan - Mar 2023
co-organised with Arun Soor and James Taylor
- Seminar on *The Fargues-Fontaine curve* Oct - Dec 2022
co-organised with Arun Soor and James Taylor
- Seminar on *Derived analytic geometry* Jan - Mar 2022
co-organised with Rhiannon Savage and Jay Swar
- Seminar on *p -adic Hodge theory* Jan - Apr 2022
co-organised with James Taylor

ADDITIONAL ACTIVITIES

- Referee work 2025 - Present
Referee report for Journal of Pure and Applied Algebra
- *Undergraduate Admissions Interviewer* Dec 2022
Brasenose College, University of Oxford
- *Student research assistant* Feb - Sep 2019
research group of Prof. Thomas Kahle, Otto-von-Guericke University Magdeburg
- *Undergraduate assistant* Jun 2018 - Jan 2019
Otto-von-Guericke University Magdeburg

RECOGNITION

- *Mathematical Institute Award*, University of Oxford Oct 2020 - Sep 2024
- Scholarship of the *Studienstiftung des Deutschen Volkes* Mar 2019 - Sep 2020
- Scholarship *Deutschland-Stipendium* Oct 2018 - Mar 2019
- *Abiturpreis* of the German Mathematical Society 2017