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Employment

University of Southern Denmark (SDU)

Odense, Denmark

Post-Doc at Centre for Quantum Mathematics

2022-Present

Mentor: Vivek Shende

Education

Université Grenoble Alpes

Grenoble, France

Ph.D. in Pure mathematics

2019-2022

Thesis: Sheaf Techniques and Symplectic Geometry

Advisor: Damien Gayet, Stéphane Guillermou and Claude Viterbo

Université Grenoble Alpes

Grenoble, France

M2R Fundamental Mathematics

2018-2019

Advisor: Stéphane Guillermou

Academy of Mathematics and Systems Science, CAS

Beijing, China

MS in Pure Mathematics

2015-2018

Advisor: Wei-dong RUAN (阮卫东)

Hunan University

Changsha, Hunan, China

BS in Mathematics

2011-2015

Advisor: Jun LI (李军)

Papers

○ Contact Non-squeezing at Large Scale via Generating functions

Joint with Maia Fraser and Sheila Sandon. Preprint: arXiv 2310.11993. Submitted.

○ Idempotence of microlocal kernels and S^1 -equivariant Chiu-Tamarkin invariant

Preprint: arXiv 2306.12316. Submitted.

○ Capacities from the Chiu-Tamarkin Complex

To appear in Journal of Symplectic Geometry. arXiv 2103.05143.

Talks

• Conference talks

Jul. 2023: Workshop on Geometric Representation Theory and Applications, YMSC/Tsinghua University, Beijing (Student presentation)

Mar. 2023: Pseudoholomorphic Curves in Hamiltonian Dynamics, Mathematical Institute Heidelberg

Feb. 2022: ANR COSY meeting, Paris (Online presentation)

Jan. 2022: Global Youth Forum 2022, IGP, University of Science and Technology of China, Hefei (Online)

Oct. 2021: UU-Nantes Workshop on Lagrangian cobordisms and Floer theory, Uppsala

• Seminar talks

Aug. 2023: Institute of Mathematical Sciences, ShanghaiTech University, Shanghai

Aug. 2023: AMSS, Chinese Academy of Sciences, Beijing

Mar. 2023: QM Research Seminar, CQM, University of Southern Denmark, Odense

Nov. 2022: QM Research Seminar, CQM, University of Southern Denmark, Odense

Oct. 2022: Institute of Mathematical Sciences, ShanghaiTech University, Shanghai

Sep. 2022: Western Hemisphere Virtual Symplectic Seminar (Online)

Sep. 2022: Séminaire compréhensible, Institut Fourier, Grenoble

Feb. 2022: Geometry Seminar, Department of mathematics, Tsinghua University, Beijing

Dec. 2021: Topology Seminar, IRMA, Strasbourg

Noc. 2021: Geometry and Topology Seminar, Toulouse

Nov. 2021: Symplectix Seminar, Institut Henri Poincaré, Paris

Oct. 2021: Topology Seminar, Institut Fourier, Grenoble

Apr. 2021: Symplectic Zoominar, CRM-Montréal, Princeton/IAS, Tel Aviv, and Paris (Online)

Aug. 2021: Virtual Kylerec Seminar (Online)

Nov. 2020: Séminaire compréhensible, Institut Fourier, Grenoble (Online)

Jul. 2020: Shanghai Maths Seminar, Tongji University (Online)

Apr. 2020: Student Seminar on Symplectic Geometry, Princeton University (Online)

Awards

2018: IDEX M2 Scholarship of Université Grenoble Alpes.

2015: Excellent New Student Scholarship, AMSS, CAS.

2014: Shiing-Shen Chern (Geometry and Topology) Silver Award, S.T.Yau College Student Mathematics Contests.

Activities Organized

May 2020: Bingyu's Friends - Young Mathematicians Colloquium, online.

Spring 2017: Student Seminar on K3 Surfaces, AMSS, CAS.

Winter 2016: Student Seminar on Homological algebra, Sheaves and Stacks, AMSS, CAS.

Spring 2016: Student Seminar on Gauge Theory, AMSS, CAS.

Teaching

Spring 2018: TA on Linear Algebra-II.

University of Chinese Academy of Sciences. **Instructor: Prof. Ziming LI (李子明).**

Autumn 2017: TA on Calculus-III A.

University of Chinese Academy of Sciences. **Instructor: Prof. Wei-dong RUAN (阮卫东).**

Skill

Cooking: Intermediate

I would like to be a chef if I don't want to do math anymore.

Chinese: Mother tongue

English: Intermediate

French: Beginner

Maybe nothing