

## **Report on the Connections Workshop at the Simons Laufer Mathematical Sciences Institute (SLMath)**

**Date:** 19-30 August 2024

**Location:** Berkeley, California, USA

The Connections Workshop brought together prominent female mathematicians and early-career researchers from around the world to discuss recent advances in geometric analysis. The event featured a series of lectures, panel discussions, and collaborative sessions aimed at fostering a supportive and inclusive environment for women in mathematics.

As one of the main speakers, I had the honour of presenting my research on “High codimension mean curvature flow”. My presentation was well-received, sparking engaging discussions and questions from the audience. This opportunity not only allowed me to showcase my work but also provided valuable feedback that will undoubtedly enhance my future research endeavours. This was an extraordinary opportunity for me, as I stood alongside some of the most distinguished mathematicians, even as a PhD student. Being invited to such a prestigious event has not only elevated my profile but has truly catapulted my career to new heights.

The workshop was an excellent platform for networking with other mathematicians from various institutions across the United States and beyond. I had the opportunity to meet several experts whose work closely aligns with mine, and we discussed potential collaborative projects. These interactions have opened new avenues for future research and academic partnerships.

Attending the talks by leading experts in the field exposed me to the latest advancements and innovative methodologies in differential geometry and geometric analysis. I learned about new techniques and theoretical developments that are relevant to my research. The workshop also included sessions on career development and mentorship, which were particularly beneficial for early-career researchers like myself.

Participating in the Connections Workshop has been a pivotal moment in my career. It has enhanced my visibility within the academic community and positioned me as a rising figure in geometric analysis, even at this early stage of my career. The insights and connections gained during the workshop have already started to influence my research direction and professional trajectory.

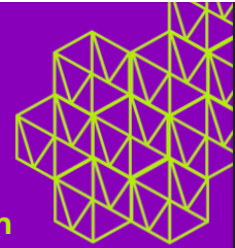
I would like to express my gratitude to the Expedition Fund for their generous support, which made my participation in this workshop possible. I am also thankful to my PhD supervisor, Dr Huy The Nguyen, for the partial funding and continuous mentorship. Lastly, I extend my appreciation to the organizers of the Connections Workshop at SLMATH for creating such an impactful and inclusive event.

CONNECTIONS WORKSHOP

<https://www.slmath.org/workshops/1092>

# New Frontiers in Curvature & Special Geometric Structures and Analysis

August 21-23, 2024  Berkeley, CA + Online · Free Registration



This three-day workshop will consist of various talks given by prominent women mathematicians on topics of differential geometry and geometric analysis. These will be appropriate for graduate students, postdocs, and researchers in areas related to the two Fall 2024 research programs taking place at SLMath (MSRI). The workshop will also include activities to promote interaction and connection between participants. This workshop is open to all mathematicians.

Featured Presenters:

- **Eleonora Di Nezza**, Institut de Mathématiques de Jussieu
- **Anna Fino**, Università di Torino
- **Giada Franz**, Massachusetts Institute of Technology
- **Ursula Hamenstädt**, Rheinische Friedrich-Wilhelms-Universität Bonn
- **Yi Lai**, Stanford University
- **Yueh Ju Lin**, Wichita State University
- **Ana Menezes**, Princeton University
- **Raquel Perales**, Centro de Investigación en Matemáticas (CIMAT)
- **Catherine Searle**, Wichita State University
- **Artemis Vogiatzi**, School of Mathematical Sciences, Queen Mary University of London
- **Ling Xiao**, University of Connecticut
- **Zihui Zhao**, Johns Hopkins University

**Funding Application Deadline: May 21, 2024**

**Registration Deadline: August 23, 2024**

## Workshop Organizers

**Sun-Yung Chang**, Princeton University  
**Lan-Hsuan Huang**, University of Connecticut  
**Chikako Mese**, Johns Hopkins University  
**Ilaria Mondello**, Université Paris-Est Créteil Val-de-Marne  
**Guofang Wei\***, University of California, Santa Barbara  
**Xuwen Zhu\***, Northeastern University

## FUNDING OPPORTUNITIES

Funding is available for attendance at this workshop. Groups that have been historically underrepresented in the mathematical sciences are particularly encouraged to apply for funding to attend, including women, gender-expansive individuals, minorities, mathematicians not located at research centers, recent PhDs, and graduate students.

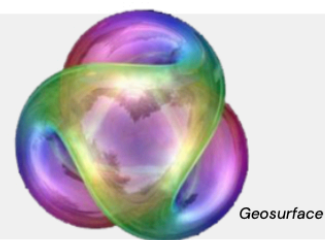
**Nursing Room:** SLMath offers a private room for nursing parents attending on site.

**Childcare Grants:** To allow visitors to fully participate in its scientific activities, SLMath is pleased to be able to offer childcare grants to researchers with children ages 14 and under. See website for details.

**REGISTER NOW**

[slmath.org/workshops/1092](https://slmath.org/workshops/1092)

Questions? Contact [1092@slmath.org](mailto:1092@slmath.org)



Geosurface



SIMONS LAUFER  
MATHEMATICAL  
SCIENCES INSTITUTE



MSRI, now SLMath, has been supported from its origins by the U.S. National Science Foundation, joined by the National Security Agency, over 115 Academic Sponsor departments, private foundations, and generous and farsighted individuals.

