National Center for Theoretical Sciences

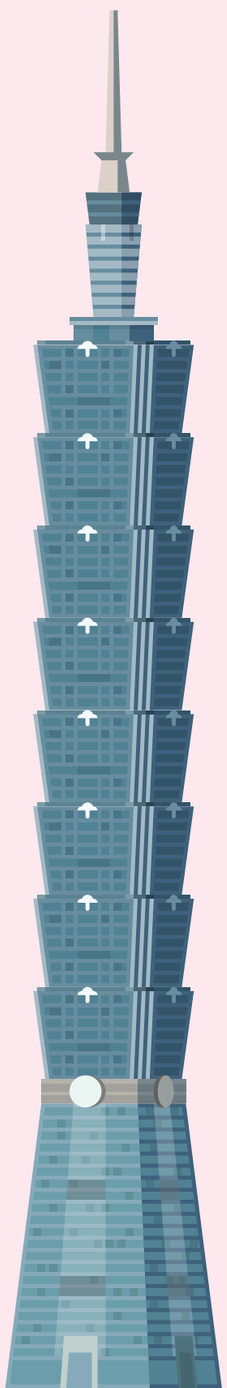
2024 Taiwan Conference on Geometry and Quantization

Date 2024/12/17-12/20

Venue **R505 Cosmology Bldg. NTU**

Aim & Scope

Geometric and deformation quantization are currently very active fields internationally. Research in these areas requires a deep understanding of theories from differential geometry, complex geometry, partial differential equations, homological algebra, probability, and mathematical physics. Many renowned mathematicians, such as Hörmander, Fedosov, Melrose, Kashiwara, Guillemin, Kontsevich, and others, have employed various techniques to address significant problems in geometric and deformation quantization. In recent years, techniques developed for studying geometric and deformation quantization, such as Toeplitz operators and DG manifolds, have found applications in algebraic geometry, complex geometry, and even in applied mathematics, such as big data analysis. The goal of this conference is to help students and scholars in Taiwan gain a better understanding of these fields and to foster opportunities for collaboration.



Workshop Speakers

Simon-Raphael Fischer	University of Göttingen
Andrea Galasso	University of Milano-Bicocca
Martin Guest	National Center for Theoretical Sciences
Nan-Kuo Ho	National Tsing Hua University
Camille Laurent-Gengoux	Institut Élie Cartan de Lorraine
Markus Pflaum	University of Colorado Boulder
Ood Shabtai	University of Toronto
Mathieu Stiénon	Penn State University
Siye Wu	National Tsing Hua University
Ping Xu	Penn State University

Organizers

Chin-Yu Hsiao	National Taiwan University
Rung-Tzung Huang	National Central University
Hsuan-Yi Liao	National Tsing Hua University

Event QR-Code

Contact

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