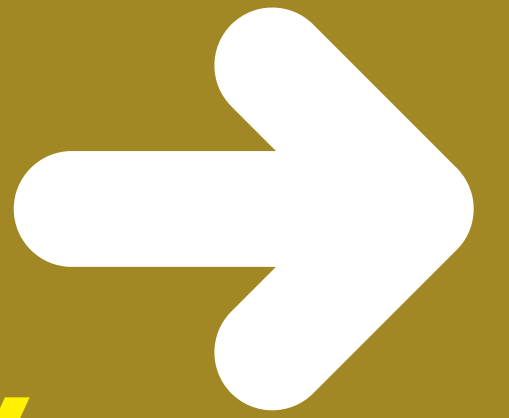


# NCTS-AS Workshop on **Free Probability Theory** and **Random Matrix Theory**



## Aim & Scope

Over the past four decades, free probability theory has seen significant developments and has been found to exhibit deep connections with random matrix theory and quantum information theory. These mentioned research areas have, in turn, led to new progress in a wide range of disciplines, including combinatorics, number theory, partial differential equations, and statistics. The aim of this conference is to bring together researchers to explore recent advances in non-commutative probability theory and related topics. We hope to strengthen connections among researchers across the Asia-Pacific region and to foster dialogue and collaboration across the various subfields of non-commutative probability theory.

## Invited Speakers

Zhigang Bao (The University of Hong Kong)  
Hong-Yi Chen (Tunghai University)  
Benoit Collins (Kyoto University)\*  
Tomohiro Hayase (CoeFont, Co., Ltd.)\*  
Ching-Peng Huang (TBC)  
Yu Kitagawa (Kyoto University)  
Sylvain Lacroix (Sorbonne University)\*  
James Mingo (Queen's University)  
Daniel Munoz George (The University of Hong Kong)  
Anas Rahman (The University of Hong Kong)  
Noriyoshi Sakuma (The University of Osaka)  
Ryosuke Sato (Hokkaido University)  
Pei-Lun Tseng (Chung Yuan Christian University)  
Ke Wang (Hong Kong University of Science and Technology)  
Sang-Gyun Youn (Seoul National University)

\*Online Talk

## Organizers

Hao-Wei Huang (National Tsing Hua University)  
Colin McSwiggen (Academia Sinica)



Contact: Peggy Lee (peggylee@ncts.tw)

