

# Frontiers of Functional Data Analysis: Challenges and Opportunities in the Era of AI (19 Aug 2024–13 Sep 2024)

## Organizing Committee

### Co-chairs

Alexander Aue  
*University of California at Davis*

Ying Chen  
*National University of Singapore*

Zhenhua Lin  
*National University of Singapore*

Qiwei Yao  
*London School of Economics*



### Venue

IMS Auditorium  
Institute for Mathematical Sciences  
3 Prince George's Park Singapore 118402

### Registration

<https://tinyurl.com/IMSFrontiersFDAREg>



For more information:

<https://ims.nus.edu.sg/events/frontiers-of-functional-data-analysis-challenges-and-opportunities-in-the-era-of-ai/>

## Week 1

### 20–22 August 2024

#### Tuesday, 20 August 2024

Time	Title	Speaker
0900–0925	Registration	
0925–0930	Opening Remarks	Organizers
0930–1030		Alexander Aue <i>University of California, Davis, USA</i>
1030–1100	Coffee Break	
1100–1200	Two-Sample Tests for Equal Distributions in Separable Metric Spaces: A Unified Semimetric-Based Approach	Jin-Ting Zhang <i>National University of Singapore, Singapore</i>
1200–1400	Lunch Break	
1400–1500		

#### Wednesday, 21 August 2024

Time	Title	Speaker
0915–0930	Registration	
0930–1030	Transfer Learning for Functional Data Analysis	Tony Cai <i>University of Pennsylvania, USA</i>
1030–1100	Coffee Break	
1100–1200	Group Factors in Single Stock Options	Maria Grith <i>Erasmus University Rotterdam, Netherlands</i>
1200–1400	Lunch Break	
1400–1500	Recovery of Time Labels for Noisy Dynamic Data	Wanjie Wang <i>National University of Singapore, Singapore</i>

#### Thursday, 22 August 2024

Time	Title	Speaker
0915–0930	Registration	
0930–1030	On the Modelling and Prediction of High-Dimensional Functional Time Series	Jinyuan Chang <i>Southwestern University of Finance and Economics, China</i>
1030–1100	Coffee Break	

Thursday, 22 August 2024		
Time	Title	Speaker
1100–1200		
1200–1400	Lunch Break	
1400–1500	Value Enhancement of Reinforcement Learning via Efficient and Robust Trust Region Optimization	Fan Zhou <i>Shanghai University of Finance and Economics, China</i>

This schedule is accurate as of 26 Jul 2024 and is subjected to changes.