

# Workshop on Data Science (17–19 May 2021)

## ORGANIZING COMMITTEE

Hui Ji

National University of Singapore, Singapore

Qianxiao Li

National University of Singapore, Singapore

Min Lin

Sea Limited, Singapore

Adrian Röllin

National University of Singapore, Singapore

Louxin Zhang

National University of Singapore, Singapore

In view of the current situation, the workshop will be conducted virtually.

### Venue

Virtual

For more information: [Click here](#)

# Workshop on Data Science

17–19 May 2021

## Monday, 17 May 2021

Time	Title	Speaker
0900–0915	Participants to login and enter virtual space for workshop	
0915–0945	Opening Ceremony	
0945	Session Chair: Hui Ji, National University of Singapore	
0945–1045	Deep Approximation via Deep Learning	Zuowei Shen National University of Singapore
1045–1100	<i>Coffee Break</i>	
1100–1200	Neuralizing Algorithms	Wee Sun Lee National University of Singapore
1200–1330	Lunch Break	
1330	Session Chair: Xin Tong, National University of Singapore	
1330–1430	Continual Learning, overview and potential directions	Min Lin AI Lab, Sea Limited, Singapore
1430–1445	<i>Coffee Break</i>	
1445–1545	Overview of Recent Advances in Deep Reinforcement Learning	Zhongwen Xu AI Lab, Sea Limited, Singapore

## Tuesday, 18 May 2021

Time	Title	Speaker
0935–0945	Participants to login and enter virtual space for workshop	
0945	Session Chair: Adrian Röllin, National University of Singapore	
0945–1045	Can Algorithms Collaborate? The Replica Exchange Method and Its Spectral Gap	Xin Tong National University of Singapore
1045–1100	<i>Coffee Break</i>	
1100–1200	Self-supervised deep learning in imaging science	Hui Ji National University of Singapore
1200–1330	Lunch Break	
1330	Session Chair: Luoxin Zhang, National University of Singapore	
1330–1430	When the rubber hits the road: Data Science at Grab	Hannes Kruppa GrabTaxi Pte Ltd, Singapore
1430–1445	<i>Coffee Break</i>	

Tuesday, 18 May 2021		
Time	Title	Speaker
1445-1545	Data analytics - from research to real-world impact	Xiaoli Li Inst. for Infocomm Research (I <sup>2</sup> R), A*STAR, Singapore
Wednesday, 19 May 2021		
Time	Title	Speaker
0935-0945	Participants to login and enter virtual space for workshop	
0945	Session Chair: Qianxiao Li, National University of Singapore	
0945-1045	Leveraging Synthetic Data and Self-Supervision for 3D Hand Pose Estimation	Angela Yingjie Yao National University of Singapore
1200-1330	Lunch Break	
1330	Session Chair: Min Lin, Sea Limited	
1330-1430	Learning with Limited Resources	Tianyi Zhou Inst. of High Performance Computing (IHPC), A*STAR, Singapore
1430-1445	<i>Coffee Break</i>	
1445-1545	Machine Learning and Dynamical Systems	Qianxiao Li National University of Singapore

For Abstracts: [https://ims.nus.edu.sg/wp-content/uploads/2021/05/DataScience2021Abstracts\\_20May.pdf](https://ims.nus.edu.sg/wp-content/uploads/2021/05/DataScience2021Abstracts_20May.pdf)