THE UNIVERSITY　　　　　　　　　　**OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Optimization and Machine Learning Seminar

Data-driven reduced-order modeling for nonlinear dynamic multiscale problems

Professor Lijian Jiang
Tongji University, China

Abstract

Multiscale phenomena significantly impact on the computation and modeling of scientific and engineering problems. In this talk, I will present the motivation and ideas for coarsening multiscale models. Then a data-driven reduced-order modeling is presented for nonlinear multiscale dynamic problems using Koopman operator learning.

Date:	January 21, 2022 (Friday)
Time:	10:00 – 11:00am (Hong Kong Time)
Venue:	ZOOM: https://hku.zoom.us/j/
	Meeting ID: 940 0962 9889
	Password: 286660

All are welcome