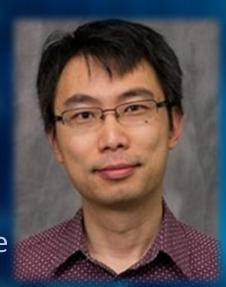# NCTS Taiwan Mathematics School
HPC for Tomorrow

High-Performance Numerical Solvers

Speaker Edmond Chow

This short course presents current ideas on high-performance numerical solvers, as well as foundational concepts necessary to understand the newest methods.

The focus will be on numerical linear algebra and parallel computing techniques. Under consideration are parallel iterative solvers that avoid costly communication synchronization, hierarchical matrix representations for kernel-based problems and their relation to fast solvers, multigrid methods for solving extremely large problems in a scalable fashion, and other recent developments.

Organizer: Tsung-Ming Huang(NTNU)
Wen-Wei Lin(NCTU)
Yu-Chen Shu(NCKU)
Weichung Wang (NTU)
Time: 2017/12/18-2018/1/5
Venue: R. 440, Astro-Math. Bldg., NTU
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