

The International Conference on New Trends in Computational and Data Sciences

26 - 27 August 2023

in honour of Prof. Tony Chan's 70th birthday

With the rapid developments in technology, Computational and Data Sciences has played an ever increasingly important and unprecedented role in many scientific disciplines such as engineering, physics, biology, finance and more recently also imaging sciences, data sciences, and so on. The main objective of this conference is to bring together leading researchers, research students, as well as practitioners with interest in the core components of the community, including the theoretical, computational, and practical aspects in scientific computing, optimization, image processing, and data science. This conference will cover recent progresses, stimulate new ideas, and facilitate interdisciplinary collaborations. It will emphasize on the crucial and unique role of mathematical insights in advanced algorithm design and novel real-world applications. Additionally, during this meeting, we will celebrate the 70th birthday of Prof. Tony Chan, who has made significant contributions to the field. This conference is jointly organized by two Departments of Mathematics from The Chinese University of Hong Kong and The Hong Kong University of Science and Technology, along with Hong Kong Society for Industrial and Applied Mathematics.

Invited Speakers

Xavier Bresson, National University of Singapore

Jianfeng Cai, Hong Kong University of Science and Technology

Zhiming Chen, Chinese Academy of Sciences

Eric Chung, The Chinese University of Hong Kong

Xianfeng Gu, Stony Brook University

Shi Jin, Shanghai Jiao Tong University

Sung Ha Kang, Georgia Institute of Technology

Wen-Wei Lin, Nanjing Center for Applied Mathematics

Michael Ng, The University of Hong Kong

Zuowei Shen, National University of Singapore

Xue-Cheng Tai, Norwegian Research Center

Chi Keung Tang, Hong Kong University of Science and Technology

Gunther Uhlmann, Institute for Advanced Study, Hong Kong University of Science and Technology

Yuan Yao, Hong Kong University of Science and Technology

Xiaoqun Zhang, Shanghai Jiao Tong University



Prof. Tony Chan

Organizing Committee

Jianfeng Cai

Raymond Chan

Eric Chung (General Secretary)

Bangti Jin

Shingyu Leung

Ronald Lok Ming Lui (Communications Secretary)

Xiaolu Tan

Yang Wang

Sai-Kit Yeung

Tieyong Zeng

Jun Zou (Chair, Organizing Committee and HKSIA President)

Sponsors

Hong Kong Society for Industrial and Applied Mathematics

Faculty of Science, CUHK

Department of Mathematics, CUHK

Department of Mathematics, HKUST



Official Website

Event Information

Date: 26 August 2023 (Saturday)

Venue: Kaisa Group Lecture Theater (IAS LT)
Lo Ka Chung Building,
Lee Shau Kee Campus, HKUST

Date: 27 August 2023 (Sunday)

Venue: LT4, Yasumoto International Academic Park (YIA),
CUHK



DEPARTMENT OF
MATHEMATICS
SCHOOL OF SCIENCE, HKUST



DEPARTMENT OF
MATHEMATICS
THE CHINESE UNIVERSITY OF HONG KONG

HKSIA
香港工業與應用數學學會