Introduction

Dit-Yan Yeung Chair Professor and Head Department of Computer Science and Engineering

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY



THE DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING 計算機科學及工程學系

HKUST's Mission & Vision



NEWS ACADEMICS ADMISSIONS LIFE@HKUST RESEARCH ENTREPRENEURSHIP GLOBAL CHALLENGES ABOUT

MISSION & VISION

Mission

Vision

To advance learning and knowledge through teaching and research, particularly:

- in science, technology, engineering, management and business studies; and
- at the postgraduate level;

To assist in the economic and social development of Hong Kong.

To be a leading university with significant international impact and strong local commitment.

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Research and Technology Forum Series

Research and Technology Forum 2022

RTF 2018 (Dec 2018) RTF 2020 (May 2020) RTF 2021 (Jan 2021) RTF 2022 (Mar 2022)

Introduction

The Research and Technology Forum 2022 of the Department of Computer Science and Technology aims at providing industry partners a better understanding of perspective research areas of the department and learn about different collaboration channels provided by HKUST. Throughout the event, some ongoing research projects conducted by our faculty would be showcased and participants may also learn more about the department.

Event Details

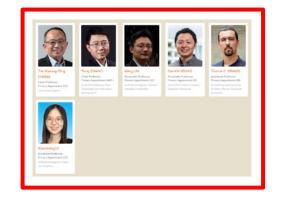
Date: 4 March 2022 (Friday) Time: 10:00 am - 12:00 noon HKT (Please sign in at 9:50 am) Venue: Online via Zoom Meeting (A notification with Zoom link will be sent via email to confirm the registration) Registration: Register Online

Registration Deadline: 27 February 2022 (Sunday)

Tenure-Track Faculty







Research Areas



Some Research **Projects**

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING Intranet School of Engineering

About People Research Academics Admissions Q

Research Projects



MLaaS in the Wild: Workload

Analysis and Scheduling in Large-

Scale Heterogeneous GPU Clusters



Spatial Trajectory Computing



Searching on Encrypted Data



Underwater SLAM for Marine Robot Navigation



Federated Learning Systems: Performance Profiling and Optimization

LIKE

Understanding Users' Preference

on Big Data

Pushing the Limit of IoT Sensing

Learning to Synthesize Images



Fostering Engagement in Technology-Mediated Stress Management with Biofeedback

Robo-lowyer: A Contract

Generator Chatbot



MepsBot: A Writing Assistant for Mental Health Peer Support



Pinpoint: Finding Software Vulnerabilities in Real World Programs



Joint Research Labs with Companies











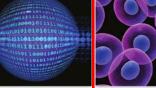








Research Institutes





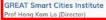




Big Data Institute Prof Lei Chen (Director)

Biotechnology Research Institute Prof Yung Hou Wong (Director)

Energy Institute Prof Tianshou Zhao (Director)





Institute for Emerging Market Studies Prof Donald Low (Director)

Institute for the Environment Prof Alexis Lau (Director)



Cheng Kar-Shun Robotics Institute Prof Michael Wang (Director)

Sino Software Research Institute Prof Shing Chi Cheung (Director)



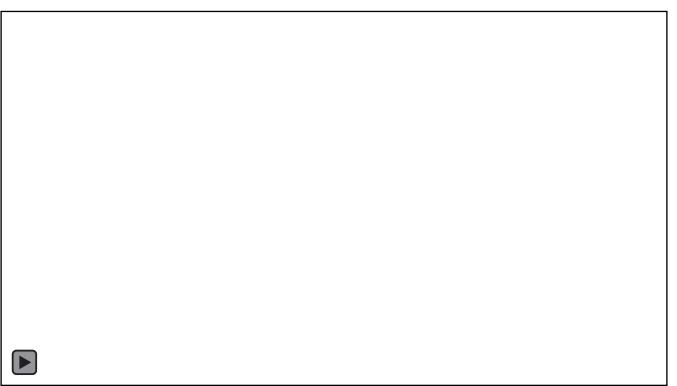
William Mong Institute of Nano Science and Technology Prof Ho Bun Chon (Director)

Two Campuses

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Hubs and Thrust Areas in HKUST(GZ)



Affiliate Appointment for HKUST(GZ) Faculty

NAME	TITLE	EMAIL	HUB	THRUST
Xiaowen CHU	Affiliate Professor	xwchu@ust.hk	Information	Data Science and Analytics
Pan HUI	Affiliate Professor	panhui@ust.hk	Information	Computational Media and Arts
Wei WANG	Affiliate Professor	weiwcs@ust.hk	Information	Data Science and Analytics
Hui XIONG	Affiliate Professor	xionghui@ust.hk	Information	Artificial Intelligence
Yingcong CHEN	Affiliate Assistant Professor	yingcongchen@ust.hk	Information	Artificial Intelligence
Mingming FAN	Affiliate Assistant Professor	mingmingfan@ust.hk	Information	Computational Media and Arts
Jia LI	Affiliate Assistant Professor	jialee@ust.hk	Information	Data Science and Analytics
Songze LI	Affiliate Assistant Professor	songzeli@ust.hk	Information	Internet of Things
Hao LIU	Affiliate Assistant Professor	liuh@ust.hk	Information	Artificial Intelligence
Jing TANG	Affiliate Assistant Professor	jingtang@ust.hk	Information	Data Science and Analytics
Addison Lin WANG	Affiliate Assistant Professor	linwang@ust.hk	Information	Artificial Intelligence
Wei ZENG	Affiliate Assistant Professor	weizeng@ust.hk	Information	Computational Media and Arts Data Science and Analytics

