

TRS Symposium 2020

**Research Grants Council
Theme-based Research Scheme
Public Symposium**

13 December 2020 (Sunday)

9:00 am – 5:15 pm

Zoom Webinar

This online symposium aims to share and communicate with the research community, policy makers, industrial partners and the general public the scientific discoveries as well as the economic and social impact of the research projects funded by the Research Grants Council's Theme-based Research Scheme (TRS), a scheme that supports thematic research of strategic importance to the long-term development of Hong Kong.

The event includes TWELVE collaborative projects under **THREE** research themes:



Promoting
Good **Health**



Developing a
Sustainable
Environment



Enhancing
Hong Kong's Strategic
Position as a Regional
and International
Business Centre

The project teams will share the achievements, new discoveries and major impact of their wide-ranging, frontier research with the participants through webinar presentations.

Please seize this opportunity to interact with the researchers on the latest strategically important research areas related to the local, regional and international development.



For event details and registration, please visit:

<https://www.cityu.edu.hk/vprt/trs2020>

LANGUAGE: ENGLISH

ALL ARE WELCOME

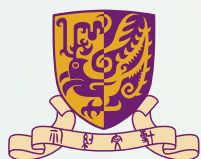
Programme

TIME	PROGRAMME
9:00–9:15	Opening Speech by Chairman of the RGC <i>Prof Joseph Hun-wei LEE</i>
9:15–9:45	Plenary Session by Chairman of the Major Projects Steering Committee – Funding Mechanism of the TRS <i>Prof Edward Sze-shing YEUNG</i>
Business Theme	9:45–10:15 Delivering 21st Century Healthcare in Hong Kong – Building a Quality-and-Efficiency Driven System <i>Speaker: Prof Frank Youhua CHEN (CityU)</i>
	10:15–10:45 Safety, Reliability, and Disruption Management of High Speed Rail and Metro Systems <i>Speaker: Prof Kwok-leung TSUI (CityU)</i>
10:45–11:00	Break
Environment Theme	11:00–11:30 Smart Solar Energy Harvesting, Storage, and Utilization <i>Speaker: Prof Jianbin XU (CUHK)</i>
	11:30–12:00 Sustainable Power Delivery Structures for High Renewables <i>Speaker: Prof Ron Shu-yuen HUI (HKU)</i>
	12:00–12:30 Smart Urban Water Supply Systems (Smart UWSS) <i>Speaker: Prof Mohamed S GHIDAoui (HKUST)</i>
	12:30–13:00 Understanding Debris Flow Mechanisms and Mitigating Risks for a Sustainable Hong Kong <i>Speaker: Prof Charles Wang Wai NG (HKUST)</i>
13:00–14:00	Lunch Break
Health Theme – Part 1	14:00–14:30 Viral, Host and Environmental Determinants of Influenza Virus Transmission and Pathogenesis <i>Speaker: Prof Joseph Sriyal Malik PEIRIS (HKU)</i>
	14:30–15:00 Molecular Basis for Interspecies Transmission and Pathogenesis of Middle East Respiratory Syndrome Coronavirus <i>Speaker: Prof Dong-yan JIN (HKU)</i>
	15:00–15:30 Systematic Development of Molecular Targets for Nasopharyngeal Carcinoma <i>Speaker: Prof Kwok-wai LO (CUHK)</i>
15:30–15:45	Break
Health Theme – Part 2	15:45–16:15 An Integrated Trans-omics Approach to Diabetic Cardio-renal Complications: From Novel Discoveries to Personalized Medicine <i>Speaker: Prof Ronald Ching-wan MA (CUHK)</i>
	16:15–16:45 Genetics and Functional Genomics of Neural Crest Stem Cells and Associated Disease: Hirschsprung Disease <i>Speaker: Prof Paul Kwong-hang TAM (HKU)</i>
	16:45–17:15 Centre for Research into Circulating Fetal Nucleic Acids <i>Speaker: Prof Dennis Yuk-ming LO (CUHK)</i>
THE END	

Organizers



Collaborating Universities



The Chinese University
of Hong Kong
香港中文大學



The Hong Kong University of
Science and Technology
香港科技大學



The University of
Hong Kong
香港大學