CUHK Innovation Day 2022

Tentative Programme Rundown

Opening Session	
09:30 – 10:00	**Registration**
10:00 – 10:10	**Opening Speech** Prof. Rocky TUAN, Vice-Chancellor and President, CUHK
10:10 – 10:30	**Kick-off Ceremony** Officiating Guests • Prof. Dong SUN, JP, Secretary for Innovation, Technology and Industry, HKSAR • Prof. John CHAI, Chairman, The Council, CUHK • Prof. Rocky TUAN, Vice-Chancellor and President, CUHK • Prof. Alan CHAN, Provost, CUHK • Prof. Mai Har SHAM, Pro-Vice-Chancellor (Research) and Vice-President, CUHK • Prof. Benny ZEE, Director, Office of Research and Knowledge Transfer Services, CUHK
Thematic Session 1: Vaccinology	
10:30 – 10:50	**Design of Lipid Nanoparticles for mRNA Vaccine** Dr. Linxian LI, Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet
10:50 – 11:10	**Predicting Vaccine Effectiveness Against New Genetic Variants and Reverse Vaccinology** Prof. Maggie Haitian WANG, The Jockey Club School of Public Health, Faculty of Medicine, CUHK
11:10 – 11:30	**Computational and Structural Biology Approaches to Address Challenges of an Effective Vaccine** Prof. Peter Pak Hang CHEUNG, Department of Chemical Pathology, Faculty of Medicine, CUHK
11:30 – 11:45	**Break**
11:45 – 12:30	**Panel Discussion on Vaccinology** **Moderator:** Prof. Benny ZEE, Director, Office of Research and Knowledge Transfer Services **Panelists (listed in alphabetical order):** • Prof. Renee Wan Yi CHAN, Department of Paediatrics, Faculty of Medicine, CUHK • Prof. Zigui CHEN, Department of Microbiology, Faculty of Medicine, CUHK • Prof. Peter Pak Hang CHEUNG, Department of Chemical Pathology, Faculty of Medicine, CUHK • Prof. Chris Ka Pun MOK, The Jockey Club School of Public Health and Primary Care, Faculty of Medicine, CUHK • Prof. Hein Min TUN, The Jockey Club School of Public Health and Primary Care, Faculty of Medicine, CUHK • Prof. Maggie Haitian WANG, The Jockey Club School of Public Health and Primary Care, Faculty of Medicine, CUHK
12:30 – 13:30	**Innovation Day Elevator Pitch Competition**
13:30 – 14:00	**Break**

Afternoon Session	
14:00 – 14:15	**Welcome Remarks and Award Presentation** Prof. Mai Har SHAM, Pro-Vice-Chancellor (Research) and Vice-President, CUHK
Thematic Session 2: Microelectronics	
14:15 – 14:35	**Electronic Design Automation (EDA)** Prof. Martin D. F. WONG, Dean, Faculty of Engineering, CUHK
14:35 – 14:55	**Silicon Photonics: Advances in Communications, Sensing and Computing beyond Moore's Law with the use of Photons in Silicon Chips** Prof. Hon Ki TSANG, Department of Electronic Engineering, Faculty of Engineering, CUHK
14:55 – 15:15	**New Generation Medical Devices Enabled by Hybrid and Nanostructured Semiconductors** Prof. Ni ZHAO, Department of Electronic Engineering, Faculty of Engineering, CUHK
15:15 – 15:25	**Break**
Thematic Session 3: Carbon Neutrality	
15:25 – 15:45	**Safe and Low Cost Aqueous Energy Storage Technologies and Their Applications** Prof. Yi-Chun LU, Department of Mechanical and Automation Engineering, Faculty of Engineering, CUHK
15:45 – 16:05	**Learn to Fabricate High-performance Third-Generation Solar Cells with Grazing Incidence Scattering Techniques** Prof. Xinhui LU, Department of Physics, Faculty of Science, CUHK
16:05 – 16:25	**Pathways Towards Carbon Neutral Chemical Industries** Prof. Ying WANG, Department of Chemistry, Faculty of Science, CUHK
16:25 – 16:30	**Closing Remarks** Prof. Benny ZEE, Director, Office of Research and Knowledge Transfer Services, CUHK