

## Special Panel Session on “Responsible and Ethical AI in Healthcare” in the Croucher Workshop

### Speaker Profile

#### Speaker 1

**Hannah Yee-Fen Lim** is a professor uniquely qualified with double degrees in Computer Science and Law with Honours from the University of Sydney. She is an internationally recognised legal expert on all areas of technology law, including AI, Blockchain, Fintech, Cryptoassets, NFTs, health technology, medical ethics, data protection, cybersecurity, and intellectual property law.

She was an appointed External Expert Reviewer for the *WHO Guidance on Ethics & Governance of Artificial Intelligence for Health*. She has also been appointed as a legal expert advising international legal bodies such as the United Nations (UNCITRAL), UNIDROIT (International Institute for the Unification of Private Law), HCCH (Hague Conference on Private International Law) and the Law Commission of England and Wales on areas such as AI, Fintech and crypto-assets.

She has authored hundreds of academic papers and 6 scholarly books on law and technology published by internationally established publishers such as Oxford University Press (OUP). She wrote one of the pioneering books on Internet law, *Cyberspace Law*, first published by OUP in 2002; a seminal comparative data protection book on the GDPR in 2017; and one of the first legal books on AI covering *Autonomous Vehicles and the Law* in 2018. Her research has been cited with approval by the High Court of Australia and the Singapore Court of Appeal.

She currently holds numerous large grants on the governance of data and AI. Hannah is a sought after speaker and has presented at 150 international meetings and has been interviewed by the media 83 times.

Professor Jingyuan “Jolie” Shi is an Associate Professor in the Department of Interactive Media and Co-Director of the Centre for Media and Communication Research (CMCR) at Hong Kong Baptist University.

Her research interests converge at the intersection of persuasion, health communication, and new communication technology. Her current research focuses on how AI transforms persuasion mechanisms and how such technology can be used for social good. Her research offers implications for developing theory-driven communication strategies to promote social good and addresses significant public health and environmental issues, including vaccine hesitancy, mental well-being, cancer prevention, and climate change.

#### Speaker 2

**Jingyuan "Jolie" Shi** is an Associate Professor in the Department of Interactive Media and Co-Director of the Centre for Media and Communication Research (CMCR) at Hong Kong Baptist University.

Her research interests converge at the intersection of persuasion, health communication, and new communication technology. Her current work focuses on how AI transforms persuasion mechanisms and how such technology can be used for social good. This research offers implications for developing theory-driven communication strategies to address significant public health and environmental issues, including vaccine hesitancy, mental well-being, cancer prevention, and climate change.

Professor Shi's work has appeared in leading journals in the field, such as *Human Communication Research*, *Communication Theory*, *Communication Research*, *Science Communication*, *Health Communication*, and *Journal of Computer-Mediated Communication*. She has received the Outstanding Performance in Scholarly Work award and the Rising Star Research Grant from Hong Kong Baptist University. She has also won several international awards, including the Qi Hao Award for Young Scholars in New Media Research from Tsinghua

University, the Promising Professor Award from the Association for Education in Journalism and Mass Communication (AEJMC), and the Top Paper Award from the International Communication Association (ICA).

She serves on the editorial boards of several top-tier communication journals, including *Communication Theory*, *Human Communication Research*, and *Environmental Communication*. She has also served as an expert advisor on the steering committee for the World Health Organization's (WHO) research project on communicating health risks via social media.

### Panelist 1

**Mingguang He** is the Chair Professor of Experimental Ophthalmology at The Hong Kong Polytechnic University. Before joining PolyU, Prof. He was the former Associate Director and Professor of Ophthalmology in the Zhongshan Ophthalmic Center (ZOC), Sun Yat-sen University in Guangzhou, China. Prof. He was a NHMRC Leadership Fellow and Professor of Ophthalmic Epidemiology in The University of Melbourne and Centre for Eye Research Australia, as well as Director of the WHO Collaborating Centre for Prevention of Blindness (Australia). Prof. He founded and served as the first president of the Asia Pacific Tele-Ophthalmology Society and is a founding council member of the Asia Pacific Myopia Society and Council Member for the Asia Pacific Academy of Ophthalmology. Prof. He is currently the deputy Editor-in-Chief of the British Journal of Ophthalmology.

### Panelist 2

**Masaru Yarime** is an Associate Professor at the Division of Public Policy and the Division of Environment and Sustainability and the Co-Director of the AI Ethics and Governance Lab at the Centre for Artificial Intelligence Research (CAiRE) at the Hong Kong University of Science and Technology. He has appointments as an Honorary Associate Professor in the Department of Science, Technology, Engineering, and Public Policy (STePP) at University College London, a Visiting Associate Professor in the Graduate School of Public Policy (GraSPP) at the University of Tokyo, and a Visiting Associate Professor in the Graduate School of Environmental Studies at Tohoku University. His research interests center around science, technology, and innovation policy for sustainability. He is particularly interested in exploring data-driven innovation and its implications for public policy and governance to address sustainability challenges, including climate change, biodiversity, and the circular economy. He contributed to international initiatives on the governance of data and digital technologies, such as the G20 Global Smart Cities Alliance and the Committee on Data (CODATA) of the International Science Council. He serves on the editorial board of international journals, including *Sustainability Science*, *Environmental Science and Policy*, *Environmental Innovation and Societal Transitions*, *Data & Policy*, and *Frontiers in Sustainable Cities* (Innovation and Governance). He received a B.Eng. in Chemical Engineering from the University of Tokyo, an M.S. in Chemical Engineering from the California Institute of Technology, and a Ph.D. in Economics and Policy Studies of Innovation and Technological Change from Maastricht University in the Netherlands. He is a recipient of the Abe Fellowship of the United States Social Science Research Council (SSRC).

### Panelist 3

**Derrick Au** is Advisor and former Director of the Centre for Bioethics at The Chinese University of Hong Kong (CUHK). He received medical education at Brown University in the US and postgraduate training in geriatric medicine in Hong Kong. Before joining CUHK in 2017, Dr. Au served in clinical service in geriatrics and rehabilitation then health service management positions in the Hospital Authority (HA), including Director of Quality & Safety (2014-16), the portfolio of which included overseeing clinical ethics, research ethics and technology assessment. Dr. Au is former chairman of the HA Clinical Ethics Committee (2017 to 2020) and current Convenor of the Ethics Advisory Committee of the Hong Kong Genome Institute.

## **Moderator**

**Ann Sin Nga Lau** received her BSc in Biology and PhD in Molecular Endocrinology from the University of Hong Kong, with doctoral training at the Population Council's Centre for Biomedical Research at Rockefeller University. With a strong foundation in biomedical sciences, Ann has broadened her focus to encompass medical and biomedical education, which has further evolved into leadership and management in education. She is a member of CUHK's pioneering medical bioethics teaching team and currently leads the bioethics curriculum review. Through both education and public engagement, she is committed to raising awareness—among students and the wider public—of the ethical challenges posed by advances in biotechnology and medicine.

In addition to her work in bioethics education, Ann has a broad teaching portfolio that spans human genetics, endocrinology, and reproductive biology. She leads the CUHK eLearning Community of Practice (eLearning CoP) focused on virtual reality (VR) as an emerging educational technology. Ann serves as Principal Investigator and Co-Investigator on various education and teaching development projects totaling over US\$5 million. These initiatives cover areas ranged from VR and metaverse applications in education, courseware development, peer-assisted learning, interprofessional education, to teaching and learning for social good, examination tools, and assessment for learning. Currently, she is spearheading a faculty flagship project titled "Artificial Intelligence in/as Medical Education", collaborating with educators across disciplines to evaluate the impact of AI in education through the lenses of pedagogy and bioethics.

Ann is the recipient of the Faculty of Medicine Education Award 2019, and the Faculty of Medicine Education Award (Collaborative Team) 2025 as team leader.

**Roger Yat-nork Chung** is a social epidemiologist who uses the lens of biomedical ethics and justice to examine the social determinants of health and health inequalities. His current research investigates social determinants such as poverty, deprivation, socioeconomic disadvantage, environmental and housing factors, and migrant status. He is also particularly interested in the health of vulnerable populations, including migrant workers and rare disease patients, and conducts research on aging-related issues such as multimorbidity and long-term/end-of-life care.

Prof. Chung graduated from Johns Hopkins University with a BA (Public Health Sciences), the Johns Hopkins Bloomberg School of Public Health with an MHS, Harvard Medical School with an MBE, and the University of Hong Kong with a PhD in social and lifecourse epidemiology. He is currently the Co-Director of CUHK Centre for Bioethics, an Associate Professor of the Jockey Club School of Public Health and Primary Care of CUHK, and the Associate Director of the CUHK Institute of Health Equity. He has had more than 120 peer-reviewed international publications and was the inaugural international health policy fellow of the National Academy of Medicine in the USA.