Generative Artificial Intelligence and the Higher Education Sector: Navigating the Uncharted Waters

December 1 2023
Lee Shau Kee Building, HKUST, Clear Water Bay
Generative Artificial Intelligence and the Higher Education Sector: Navigating the Uncharted Waters

December 1, 2023
Shau Kee Building, HKUST, Clear Water Bay
The Impact of AI to Education is fundamental.

人工智能对教育的影响是根本性的。
Welcome Message

On behalf of the Center for Education Innovation (HKUST, CEI), it is my great pleasure to welcome all of you who have gathered here for this significant discussion on Generative Artificial Intelligence and its impact on the Higher Education Sector.

Generative Artificial Intelligence (AI) technologies have the potential to significantly impact and revolutionize the field of higher education. Since the public release of Open AI's ChatGPT in November 2022, it quickly became clear that universities will need to review, and possibly rethink, policies related to academic integrity, assessments, professional development, to name a few. These technologies are now raising questions across many disciplines: How and what should we teach and assess? How will AI impact research? How do we govern these new technologies, and what are the equitable and ethical implications of that governance? These are just a few questions to be explored.

As we navigate through this AI phenomenon, it is crucial that we foster an environment that encourages communication, innovation, and transparency, while also safeguarding against misuse. This conference serves as an excellent opportunity for us to critically examine the implications of generative AI on the higher education sector. Together, we will explore various topics such as pedagogical innovations, curriculum reforms, and the role of generative AI in a research university.

I extend my warmest welcome to every one of you, and I am truly excited about the insightful discussions and meaningful exchanges that will take place. May this research workshop be a platform for us to collectively explore the possibilities that lie ahead in these exciting times.

Warm regards,

Sean MCMINN
Director, Centre for Education Innovation, HKUST
Generative AI technologies, such as ChatGPT, have the potential to revolutionize higher education and scientific research. They offer new ways of approaching teaching, learning, and discovery. However, this transformative potential also brings with it important policy considerations that must be addressed. Policy makers and researchers must recognize the critical societal and policy challenges posed by generative AI and work to mitigate risks while maximizing benefits.

By bringing together esteemed authors, scholars, and experts in the field, we hope to foster meaningful conversations, share groundbreaking research, and exchange valuable insights. This workshop serves as a platform for collaboration and learning, enabling us to collectively shape the future of higher education in Asia through the lens of generative AI.

I am excited about the possibilities that will arise from this workshop and eagerly anticipate the insightful discussions and connections. Thank you for your participation, and let us work together to make this conference a resounding success. Together, let us embark on this intellectual journey and unlock new horizons of possibility!

Warm regards,

Alex Jingwei HE
Acting Director, Institute for Public Policy, HKUST
Associate Editor, Journal of Asian Public Policy
Agenda

8:30 AM  Registration
Venue
Room LSK1010, Lee Shau Kee Campus, HKUST

9:00 AM  Opening
Venue: Room LSK1010
Zoom Meeting ID: 935 4068 6591 (Passcode: 589432)

Welcome Remarks
Prof Tim K.T. Cheng, Vice President (Research & Development), HKUST

Opening Remarks
Dr Sean McMinn, Director, Centre for Education Innovation, HKUST
Dr Alex Jingwei He, Acting Director, Institute for Public Policy, HKUST; Associate Editor, Journal of Asian Public Policy

Group Photo
Challenges of ChatGPT for Higher Education and Policy Responses in Asia
Devyani Pande, Lee Kuan Yew School of Public Policy, National University of Singapore
Panchali Guha, School of Social Sciences, Singapore Management University

A Scoping Review of University Policies on Generative AI in Asia: Trends, Gaps, and Future Directions
Yun Dai and Sichen Lai, Department of Curriculum and Instruction, Chinese University of Hong Kong
Cher Ping Lim, Faculty of Education and Human Development, The Education University of Hong Kong
Ang Liu, School of Mechanical and Manufacturing Engineering, University of New South Wales

Design of Policy Research in the Era of Generative AI
Xun Wu, Thrust of Innovation, Policy and Entrepreneurship, Hong Kong University of Science and Technology (Guangzhou)
Yvonne Chen, School of Entrepreneurship and Management, Shanghai University of Science and Technology
Dale Whittington, Department of Environmental Sciences and Engineering, University of North Carolina at Chapel Hill

Embracing Generative AI in a Research University? Evidence from Students
Zhuoni Zhang, Sean McMinn, and Alex Jingwei He, Hong Kong University of Science and Technology

10:45 AM Tea Break
11:00 AM
Breakout Session #1

Venue: Room LSK1010
Zoom Meeting ID: 935 4068 6591 (Passcode: 589432)

Chair
Naubahar Sharif, Acting Head, Division of Public Policy, HKUST

Discussant
Giliberto Capano, Professor, Department of Political and Social Sciences, University of Bologna

ChatGPT in Action: Personalizing and Equalizing Experiential Learning for Social Entrepreneurship Education
Liang Shang, Department of Social Science and Policy Studies, The Education University of Hong Kong
Shurui Bai, Department of Mathematics and Information Technology, The Education University of Hong Kong

Situated Usage of Generative AI in Policy Education: Implications for Teaching, Learning, and Research
Gleb Papyshev, Division of Social Science, Hong Kong University of Science and Technology

Generative Artificial Intelligence and Higher Education in India: Policy Discourse of Inclusiveness and Social Equality
Arati Devi, Centre for South Asian Studies, Jawaharlal Nehru University

Surging Currents: A Systematic Review of the Literature on Dynamic Stakeholder Dialogue in Higher Education in the GAI Era
Jiaxi Yang and Han Qiu, School of Public Affairs, Xiamen University
11:00 AM / 12:30 PM
Breakout Session #2
Venue: Room LSK1014
Zoom Meeting ID: 990 0574 2793 (Passcode: 245819)

Chair
Alex Jingwei He, Acting Director, Institute for Public Policy, HKUST

Discussant
Kira Matus, Professor and Associate Head, Division of Public Policy, HKUST

Unleashing Generative AI: Funding Implications and Insights from China
Jiwei Qian, East Asian Institute, National University of Singapore

A Paradigm Shift in Higher Education: Redesigning Assessment in the Wake of Generative AI
Julia Chen, Dawn Lo, and Leo Chon, Educational Development Centre, The Hong Kong Polytechnic University

Generative Artificial Intelligence and Taiwan Higher Education (via Zoom)
Yu-Ying Kuo, Department of Public Administration and Policy, National Taipei University

12:45 PM / 2:00 PM
Lunch
Venue
UniBistro & Bar
G/F Lo Ka Chung University Center, HKUST
Breakout Session #3
Venue: Room LSK1010
Zoom Meeting ID: 935 4068 6591 (Passcode: 589432)

Chair
Xiaofan Zhao, Assistant Professor, Division of Public Policy, HKUST

Discussant
Giliberto Capano, Professor, Department of Political and Social Sciences, University of Bologna

Role of Agency in Generative AI-based Learning in Higher Education (via Zoom)
Debananda Misra and Priya Nirmal, School of Public Policy, Indian Institute of Technology

Does Generative AI Revolutionize Higher Education? Perspectives, Policies, and Curriculum Reforms in Top Asian Universities
Wilson Wong, Faculty of Social Science, Chinese University of Hong Kong

Embracing Agile Governance: Nurturing Innovation and Addressing Challenges of Generative Artificial Intelligence in Higher Education
Han Qiu and Jiaxi Yang, School of Public Affairs, Xiamen University
Regulatory Interventions to Alleviate the Risks of 3Rs – Reviewers, Researchers and Research Respondents – due to Generative AI Models in Qualitative Research (via Zoom)

Vishnu Sivarudran Pillai, Kautilya School of Public Policy, GITAM
Kira Matus, Division of Public Policy, Hong Kong University of Science and Technology

Towards an Evidence-Supported Assessment Policy: Innovative Use of ChatGPT and Other Online Tools

Dennis Foung, School of Journalism, Writing and Media, The University of British Columbia
Linda Lin, English Language Centre, The Hong Kong Polytechnic University
Julia Chen, Educational Development Centre, The Hong Kong Polytechnic University

Evaluating the Efficacy of ChatGPT in Higher Education: Insights from Pakistan and China (via Zoom)

Muhammad Azfar Anwar, Shenzhen University
Fiaz Hussain, Department of Public Administration, Fatima Jinnah Women University, Pakistan
3:45 PM  Tea Break

4:15 PM  Keynote Speech
Venue: Room LSK1010
Zoom Meeting ID: 935 4068 6591 (Passcode: 589432)

Moderator
Dr Sean McMinn, Director, Centre for Education Innovation, HKUST

Speaker
Prof Yike Guo, Provost and Chair Professor of Computer Science and Engineering, HKUST

5:30 PM  Closing

6:00 PM  Dinner
Venue
UniQue
2/F, Li Dak Sum Yip Yio Chin Kenneth Li Conference Lodge
Organizers

The **HKUST Center for Education Innovation (CEI)** is an academic support unit that aims to proactively move forward HKUST’s teaching and learning strategy. It collaborates with Schools, Departments, and Centers to promote the teaching development of faculty and research postgraduates, the adoption of active learning pedagogies, and the use of technologies to support these pedagogies. CEI also focuses on developing curriculum that fosters systematic progression in student achievement towards HKUST’s graduate attributes and program intended learning outcomes.

**Mission & Vision**

CEI aims to be an expert resource and advocate for evidence-based, active learning, teaching, and curriculum approaches that engage whole person development for a technology-rich 21st century environment. Its mission is to support the University’s mission by building teaching staff capacity, supporting professional development, and using research-based data to inform quality improvement in learning, teaching, and curriculum development. CEI strives to positively impact student learning through innovative programs and help teaching staff meet their career goals.

The **HKUST Institute for Public Policy (IPP)** is an organization led by a Director and an Executive Committee. It invites faculty members with research interests in policy to become Affiliated Faculty and is supported by a dedicated team of administrative and research staff. HKUST IPP’s primary focus is on conducting policy research with the potential to significantly impact social, economic, and environmental well-being. Leveraging the university’s interdisciplinary strengths, it aims to address key policy challenges in Hong Kong, the mainland, and the region, particularly those related to aging, environmental issues, and social inequalities, with a strong emphasis on evidence-based policy-making.

**Mission & Vision**

Contributes to decision-making in the public sector through rigorous and interdisciplinary policy research and education. Our strategic goals include producing high-quality policy research by fostering collaboration among scholars across various disciplines, such as science, business, engineering, and social science. We are committed to contributing to policy dialogues addressing critical challenges faced by Hong Kong, the mainland, and the region while providing public policy training to both current and future generations of leaders.
Published by Routledge, The *Journal of Asian Public Policy (JAPP)* is a reputable international journal dedicated to policy research related to development, public policy and governance in Asia from comparative and international perspectives.

**Aims and scope**

*JAPP* welcomes contributions with high-quality scholarly work or policy studies focused on Asia, one of the most vibrant regions of the global economy, with economic profiles that grow on an annual basis. East Asian economies that started to develop somewhat earlier, following the Japanese lead, remain among the most important economies in the world. The emergent regions of South and Southeast Asia have many dynamic economic sectors. Public policy, governance and development issues are drawing increasing attention not only from academia but also from the wider business, professional and policy communities.

Since its official launch in 2008, *JAPP* has become one of the major public policy journals with a strong focus on issues related to development, policy and governance in Asia from comparative and international perspectives. *JAPP*, as one of the key venues for Area Studies, particularly welcomes contributions with strong comparative analysis relevant to current policy debates. Cross-regional studies of Asian interactions with other major global regions, and interdisciplinary and multi-disciplinary research, are definitely welcome. Articles that do not have an explicit Asian focus will be considered if they have clear relevance to an Asian readership.
Prof. Tim Cheng Kwang-Ting, Vice-President for Research and Development at HKUST since April 1, 2022, is a renowned scholar in electronics testing, design verification, and cross-disciplinary research. With a PhD from UC Berkeley, he joined HKUST in 2016 after a distinguished career at UC Santa Barbara and AT&T Bell Labs. Prof. Cheng has held key academic roles and managed substantial research funding. He has an extensive publication record, authored books, and holds multiple patents. Recognized as a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and the Hong Kong Academy of Engineering Sciences (HKAES), he has received numerous awards and held leadership roles in IEEE and technology advisory groups. In 2020, he secured HK$443.9 million for the AI Chip Center, contributing to advancements in AI through IC design.
Keynote Speaker

Yike GUO
Provost and Chair Professor of Computer Science and Engineering, HKUST

Prof. Guo Yike assumed office as the Provost of HKUST on December 1, 2022. He is concurrently a Chair Professor in the Department of Computer Science and Engineering. With a first-class honours degree in Computing Science from Tsinghua University and a PhD from Imperial College London, Prof. Guo has been a full Professor in the Department of Computing of Imperial College London since 2002. He was the Founding Director of the Data Science Institute at Imperial College London since 2014. Prior to joining HKUST, Prof. Guo was the Vice President (Research and Development) and Dean of Graduate School at Hong Kong Baptist University (HKBU) from 2020. He has successfully built six institutional multidisciplinary laboratories and transformed the research culture at HKBU. Prof. Guo is a world-leading computer scientist with research focuses on machine learning and data mining for large-scale scientific applications, including distributed data mining methods, machine learning and informatics systems for various industries.
Magdalena Klemun is an Assistant Professor at the Division of Public Policy. Prior to joining HKUST, Magdalena was a postdoctoral associate at the Institute for Data, Systems, and Society (IDSS) at the Massachusetts Institute of Technology (MIT). Her research interests are in understanding how the economic and environmental performance of technologies evolves as a function of policy and engineering design choices, with a particular interest in the role of hardware vs. non-hardware ('soft') innovations. Magdalena received her Ph.D. from IDSS at MIT, M.S. in Earth Resources Engineering from Columbia University, where she studied as a Fulbright Scholar, and her B.S. in Electrical Engineering and Information Technology from Vienna University of Technology.

Masaru YARIME is an Associate Professor in the Division of Public Policy and the Division of Environment and Sustainability at HKUST. He is also the Director of the MPhil and PhD Programs in Public Policy. His research focuses on science, technology, and innovation policy for energy, environment, and sustainability, with a particular interest in exploring the structure, functions, and evolution of innovation systems involving stakeholders in various sectors. He has contributed to many international initiatives, including the United Nations Environment Programme (UNEP) Finance Initiative on Environmental Risk Integration in Sovereign Credit Analysis. His previous positions include Senior Research Fellow at the National Institute of Science and Technology Policy (NISTEP) of the Japanese Ministry of Education, Culture, Sports, Science and Technology and Associate Professor at the School of Energy and Environment in the City University of Hong Kong.
Devyani is a Postdoctoral Fellow at the Lee Kuan Yew School of Public Policy (LKYSPP), National University of Singapore (NUS). She is currently working on policy design for building trustworthy AI in Southeast Asia. Devyani’s research interests lie at the intersection of technology policy, public perceptions, and regulation. She has published papers in Sustainability, Policy Design and Practice, and Journal of Economic Policy Reform. Devyani is a passionate advocate for mental wellness among graduate students and has been a peer supporter for students at NUS. She represented NUS at the national level 3-minute thesis (3MT) competition in 2022.

**Paper Title: Challenges of ChatGPT for Higher Education and Policy Responses in Asia**

---

Dr. Yun DAi is an assistant professor from the Department of Curriculum and Instruction, Faculty of Education, at the Chinese University of Hong Kong. Her research interests broadly revolve around AI as a learning tool in higher education and as a subject matter (AI literacy) in K-12 education. Her current work proposes an AI-enhanced doctoral supervision model, where GenAI is conceptualized as an epistemic tool for cognitive facilitation. Her research work has been published in world-leading education technology journals such as Internet and Higher Education, Computer & Education, British Journal of Education Technology, and others.

**Paper Title: A Scoping Review of University Policies on Generative AI in Asia: Trends, Gaps, and Future Directions**
Prof. Xun WU is a policy scientist with a strong interest in the linkage between policy analysis and public management. Trained in engineering, economics, public administration, and policy analysis, his research seeks to make contribution to the design of effective public policies in dealing emerging policy challenges across Asian countries. His research interests include policy innovations, water resource management, health policy reform, and anti-corruption, and his work has been published in top journals in his fields of study, such as Policy Sciences, Public Administration Review, Governance, Social Sciences & Medicine, and Water Resources Research. He is a co-editor of the Cambridge Studies in Comparative Public Policy and Cambridge Elements in Public Policy. Prof. Wu has been involved extensively in consultancy and executive education. Prior to joining HKUST(GZ), Prof. Wu served as professor at the Division of Public Policy, the Division of Social Science and the Division of Environment and Sustainability of HKUST.

Paper Title: Design of Policy Research in the Era of Generative AI

Prof. Zhuoni ZHANG is Associate Professor in Urban Governance and Design Thrust, Society Hub, HKUST (GZ). She graduated from the Hong Kong University of Science and Technology and worked as a faculty at City University of Hong Kong before she moved to HKUST(GZ). Prof. Zhang’s research interest lies in the fields of urban studies, social stratification, and population migration. Her research outputs were published in high-profile journals such as Social Science Research, Biodemography and Social Biology, Journal of Ethnic and Migration Studies, Demographic Research, Chinese Sociological Review, BMC Public Health, and Social Sciences in China. Recently she is working on urban studies that emphasize interdisciplinary socio-spatial comparative analysis, knowledge transfer, and social impact. Prof. Zhang has conducted research projects funded by National Education Bureau, Hong Kong Research Grants Council, Macau Government Social Work Bureau, Shenzhen Government, and Shanghai Government.

Paper Title: Embracing Generative AI in a Research University? Evidence from Students
Prof. Naubahar Sharif’s research interests include science, technology and innovation (STI) policy in Hong Kong and within the ‘Greater Bay Area’ of Southern China; automation in China; and the ‘Belt and Road’ initiative. In 2011 he completed the Executive Education program in Innovation for Economic Development at Harvard University. At HKUST, Naubahar has been nominated for the Michael G. Gale Medal for Distinguished Teaching, also having won the Interdisciplinary Programs Office’s Teaching Excellence Award (in 2020), the School of Humanities and Social Science (SHSS) Best Teacher Award (twice, in 2009 and 2016), and one of his courses was nominated for the Common Core Excellence award. Naubahar’s research has had a demonstrable impact on business and his research was one of HKUST's few ‘impact case study’ submissions (sole-authored) for its 2020 Research Assessment Exercise (RAE).

Giliberto Capano is Professor of Public Policy at the University of Bologna, Italy. He specializes in public administration, public policy analysis, and comparative higher education. His research focuses on governance dynamics and performance in higher education and education, policy design and policy change, policy instruments’ impact, the social role of political science, the policy impact of Covid-19, and leadership as an embedded function of policy making. His recent books are: Changing Governance in Universities: Italian Higher Education in Comparative Perspective (co-authored with M. Regini and M. Turri; Palgrave, 2016); A modern Guide to Public Policy (coedited with M. Howlett, Edward Elgar,2020); Convergence and Diversity in the Governance of Higher Education (co-edited with D. Jarvis, Cambridge University Press, 2020); Trajectories of Governance How States Shaped Policy Sectors in the Neoliberal Age (coauthored with A.Zito, J.Rayner, and F. Toth, Palgrave 2022).
Liang Shang
Department of Social Science and Policy Studies, The Education University of Hong Kong

Dr. SHANG Liang is currently an Assistant Professor in the Department of Social Sciences and Policy Studies at the Education University of Hong Kong. With a primary research interest centered around the intersection of ethics and entrepreneurship, she focuses on examining the roles, practices, and mechanisms of business ventures with a strong overarching social purpose in contributing to social and environmental sustainability. Beyond this focus, she also has a keen interest in exploring emerging methods in social sciences, such as discrete choice experiments and artificial intelligence.

**Paper Title:** ChatGPT in Action: Personalizing and Equalizing Experiential Learning for Social Entrepreneurship Education

Gleb Papishev
Division of Social Science, Hong Kong University of Science and Technology

Gleb Papishev is a Research Assistant Professor in the Division of Social Science at the Hong Kong University of Science and Technology. His research interests include AI policy and regulation, AI ethics, and corporate governance mechanisms for emerging technologies. The results of his work have been published in Policy Design and Practice, AI & Society, Data & Policy, and Elgar Companion to Regulating AI and Big Data in Emergent Economies.

**Paper Title:** Situated Usage of Generative AI in Policy Education: Implications for Teaching, Learning, and Research
Arti Devi is a Doctoral candidate from the Centre for South Asian Studies, School of International Studies, Jawaharlal Nehru University, India. The topic of her Doctoral thesis is "Gender and Disasters: A Comparative Study of Kosi Flood of 2008 in Bihar and Tsunami of 2004 in Sri Lanka". Her areas of interest are Gender, Feminism, and other related issues. She has worked as a Guest Lecturer at the University of Delhi, India. She has presented papers at various National and International Conferences and published an article in a peer-reviewed International Journal. You can reach out to her at artidv84@gmail.com

**Paper Title:** Generative Artificial Intelligence and Higher Education in India: Policy Discourse of Inclusiveness and Social Equality

Jiaxi Yang is a master’s student at Xiamen University, majoring in public policy. His research interests lie in the fields of AI, digital government, open data, public policy process.

**Paper Title:** Surging Currents: A Systematic Review of the Literature on Dynamic Stakeholder Dialogue in Higher Education in the GAI Era
Dr. Alex Jingwei He is a tenured associate professor at HKUST’s Division of Public Policy. With a PhD in Public Policy from the Lee Kuan Yew School of Public Policy, National University of Singapore, he specializes in policy process theories, policy innovation and entrepreneurship, and social welfare reforms. Dr. He has a prolific publication record in top international journals and is ranked in the world’s top 2% of cited scientists in public administration and political science for two consecutive years. His publications appear in leading international journals including Public Administration Review, Governance, Policy Sciences, Social Science & Medicine, and Health Policy. He serves as the Associate Editor of Policy & Society and Journal of Asian Public Policy.

Kira Matus received her PhD in Public Policy from Harvard University in 2009. Her primary research focus is at the intersection of innovation, sustainability science, and public policy, focusing on sustainable production-consumption systems and the policy implications of "green" technologies. She looks at how policy can incentivize innovation- but also at how innovation can feed-back into policy, including approaches like certification and voluntary regulatory tools. Kira also has an interest in scientific expertise in the policy process, which has led to work on the controversies surrounding efforts to control bovine Tb with the culling badgers in the UK and possums in the NZ. Before joining HKUST, she was a Senior Lecturer in Innovation and Sustainability and Deputy Head of Department at UCL STEaPP, and Assistant Professor of Public Policy and Management at the LSE. She was also a Ruffalo Sustainability Fellow in the Sustainability Science Program at Harvard University.
Dr Jiwei Qian is Senior Research Fellow at the East Asian Institute, National University of Singapore. His most recent book is *The Political Economy of Making and Implementing Social Policy in China* (Palgrave Macmillan, 2021). He is also the co-editor of *Innovation and China’s Global Emergence* (with Erik Baark and Bert Hofman, NUS press, 2021). He currently serves as the secretary of the East Asian Social Policy Research Network (EASP) and is the co-editor of the Palgrave book series ‘Social Policy and Development Studies in East Asia’ (with Ka-Ho Mok). His current research interests include innovation policy, social policy, digital economy, among others.

**Paper Title:** Unleashing Generative AI: Funding Implications and Insights from China

---

Dr Julia Chen is the Director of the Educational Development Centre at The Hong Kong Polytechnic University. She holds a PhD in Applied Linguistics and is a Principal Fellow of Advance HE (PFHEA). One of her research interests is leveraging technology and learning analytics for quality enhancement. She leads several large-scale multi-university projects, including a recent one on Generative AI. Julia has won numerous awards, such as the QS Reimagine Education Awards 2022 Breakthrough Technology Innovation in Education Silver Prize, the Hong Kong University Grants Committee Teaching Award 2022 (Collaborative Teams), and the EdTech Heroes Learning Experience Award 2023, to name a few.

**Paper Title:** A Paradigm Shift in Higher Education: Redesigning Assessment in the Wake of Generative AI
Dr Dawn Lo is an Educational Development Officer at the Educational Development Centre, The Hong Kong Polytechnic University. She works in the areas of teaching development, quality enhancement, and assessment and grading, and supports the University's strategic initiatives on teaching and learning. Her research interests include student evaluation and assessment, teacher assessment and grading practices, and teacher learning and professional development. Recently Dr Lo has been collaborating with faculty members on teaching development projects on alternative assessment and rubrics, formative assessment, and grade integrity and consistency, to further promote quality assessment and grading practices.

**Paper Title:** *A Paradigm Shift in Higher Education: Redesigning Assessment in the Wake of Generative AI*

Mr Leo Chon is an Assistant Educational Development Officer at the Educational Development Centre of The Hong Kong Polytechnic University. He is committed to promoting high-quality teaching and learning activities and assessment practices that incorporate Generative AI. His research interests include online teaching, learning perception, assessment practices, Generative AI, and teaching quality improvement. Leo has also collaborated with academics on projects that enhance grade integrity and consistency, and foster student-staff partnership.

**Paper Title:** *A Paradigm Shift in Higher Education: Redesigning Assessment in the Wake of Generative AI*
Yu-Ying Kuo
Department of Public Administration and Policy, National Taipei University

Dr. Yu-Ying Kuo is professor of public administration and policy at National Taipei University. She obtained her Ph.D. in Public Administration and Policy from the State University of New York at Albany. She was the Dean of Academic Affairs (2016-2019), Dean of Research and Development (2014-2016) and Head of Department of Public Policy and Management (2008-2013) at Shih Hsin University. She was awarded outstanding administrative service in 2016, research in 2008 and teaching in 2007. She published more than 60 academic articles and edited Policy Analysis in Taiwan (Policy Press). She authored Cost-Benefit Analysis (Hwatai Press), and co-authored Public Administration (Tunghua Press) and Policy Analysis (Best Wise). Her research interests include policy analysis, public budgeting and financial management, and cost-benefit analysis.

Paper Title: Generative Artificial Intelligence and Taiwan Higher Education
Prior to joining HKUST in January 2021, Xiaofan ZHAO was a post-doctoral fellow at the School of Public Policy and Management, Tsinghua University (2018-2020). She holds a BS in environmental engineering with honors and with distinction (2009) and a MS in management science and engineering (2010), both from Stanford University, and a PhD in public administration from Tsinghua University (2018). She has worked for the Climate Policy Initiative Beijing Office as well as the World Resources Institute. Her research mainly focuses on energy conservation and climate change policies with a geographical focus on China as well as global comparative environmental governance. She is particularly interested in how and why businesses comply with energy and climate policies. Her publications have appeared in peer-reviewed journals such as *World Development, Energy Research & Social Science, Energy Policy, Journal of Cleaner Production, Environmental Policy and Governance, and Journal of Chinese Political Science*.

Giliberto Capano is Professor of Public Policy at the University of Bologna, Italy. He specializes in public administration, public policy analysis, and comparative higher education. His research focuses on governance dynamics and performance in higher education and education, policy design and policy change, policy instruments’ impact, the social role of political science, the policy impact of Covid-19, and leadership as an embedded function of policy making. His recent books are: *Changing Governance in Universities: Italian Higher Education in Comparative Perspective* (co-authored with M. Regini and M. Turri; Palgrave, 2016); *A modern Guide to Public Policy* (coedited with M. Howlett, Edward Elgar, 2020); *Convergence and Diversity in the Governance of Higher Education* (co-edited with D. Jarvis, Cambridge University Press, 2020); *Trajectories of Governance How States Shaped Policy Sectors in the Neoliberal Age* (coauthored with A.Zito, J.Rayner, and F. Toth, Palgrave 2022).
Debananda Misra
School of Public Policy, Indian Institute of Technology

Debananda (Deb) Misra is an Assistant Professor at the School of Public Policy, Indian Institute of Technology Delhi. He is also an Honorary Associate Professor at the UCL Institute for Global Prosperity at University College London, UK, and an Affiliate Member of the Centre for Innovation Research at Lund University, Sweden. He is the Associate Editor of the *Higher Education Quarterly* journal. Deb’s research focuses on policy, organisation, leadership, governance, and management in higher education, and on the societal roles of universities. He has published peer-reviewed articles in journals including *Higher Education*, *Journal of Workplace Learning*, and *Regional Studies*. Before being an academic, Deb worked in the area of higher education management for over 10 years.

**Paper Title:** Role of Agency in Generative AI-based Learning in Higher Education

Wilson Wong
Faculty of Social Science, Chinese University of Hong Kong

Wilson Wong is the Founding Director and Associate Professor of Data Science and Policy Studies (DSPS) Programme at the Chinese University of Hong Kong (CUHK), a fellow at the Center of Advanced Study in the Behavioral Sciences (CASBS) of Stanford University, and honorary senior research fellow of UCL. His major research areas include technology, comparative public policy, and public governance. He is the Lead Area Editor of *Data & Policy* (Cambridge University Press) and Associate Editor of *Nature Humanities and Social Science* (Springer). He had served as a visiting fellow at Brookings Institution and Harvard University.

**Paper Title:** Does Generative AI Revolutionize Higher Education? Perspectives, Policies, and Curriculum Reforms in Top Asian Universities

Han Qiu
School of Public Affairs, Xiamen University

Han Qiu is a master’s student at Xiamen University, majoring in public administration. She holds a dual Belcher’s degree in public administration and public service and public policy from Hainan University and Arizona State University in 2022. Her research interests lie in the fields of artificial intelligence, information technology and politics, digital government, and public finance.

**Paper Title:** Embracing Agile Governance: Nurturing Innovation and Addressing Challenges of Generative Artificial Intelligence in Higher Education
Prof. Xun WU is a policy scientist with a strong interest in the linkage between policy analysis and public management. Trained in engineering, economics, public administration, and policy analysis, his research seeks to make contribution to the design of effective public policies in dealing emerging policy challenges across Asian countries. His research interests include policy innovations, water resource management, health policy reform, and anti-corruption, and his work has been published in top journals in his fields of study, such as Policy Sciences, Public Administration Review, Governance, Social Sciences & Medicine, and Water Resources Research. He is a co-editor of the Cambridge Studies in Comparative Public Policy and Cambridge Elements in Public Policy. Prof. Wu has been involved extensively in consultancy and executive education. Prior to joining HKUST(GZ), Prof. Wu served as professor at the Division of Public Policy, the Division of Social Science and the Division of Environment and Sustainability of HKUST.

Dr. Sean McMinn joined HKUST in July 2022 as the Director of Center for Education Innovation. Sean holds a PhD in E-Research and Technology Enhanced Learning from Lancaster University, United Kingdom. He first joined HKUST in 2005 and had since taken up various teaching and leadership roles in the Center for Language Education (CLE) and School of Humanities and Social Science (SHSS). Sean had been the Academic Director of the Master Program in International Language Education offered by SHSS (2018-2020) and the Associate Director of CLE (2020). He left the University in 2021 and joined the Hong Kong Polytechnic University as Director of the English Language Centre. Sean has interests in educational technology, digital literacies, and networked learning. He won a Teaching Innovation Award for his work with podcasts and education at HKUST in 2007 and has published and presented at international conferences on the subjects of MOOCs, social media and education, and digital literacies.
Vishnu Sivarudran Pillai received his PhD in Public Policy from The Hong Kong University of Science and Technology in June 2022. His primary research focuses on risk analysis and Artificial Intelligence (AI) technology regulation. The initial findings of his PhD research are published in the journal Science and Public Policy, a leading international journal on Public Policies for Science, Technology and Innovation. Vishnu currently works as an Assistant Professor at Kautilya School of Public Policy, GITAM (Deemed to be University), India. Prior to joining KSPP, he worked as a Principal Research Associate at the Indian Institute of Corporate Affairs.

**Paper Title:** Regulatory Interventions to Alleviate the Risks of 3Rs – Reviewers, Researchers and Research Respondents - due to Generative AI Models in Qualitative Research

Dennis Foung is a writing teacher at the University of British Columbia, Canada. He holds a doctorate in language education and a number of academic qualifications in the fields of language studies, human resource management and development, professional and vocational education, and data science. Dennis has a keen interest in big data research and its application in the teaching and learning context. He has published papers in journals and book chapters, as well as served as a principal investigator in various analytics-based projects.

**Paper Title:** Towards an Evidence-Supported Assessment Policy: Innovative Use of ChatGPT and Other Online Tools
Linda Lin holds a Ph.D. in applied linguistics and works for the English Language Centre of the Hong Kong Polytechnic University. She has extensive experience in L2 language learning and teaching, L2 language writing analysis, and pedagogic development. Her research interests include academic writing, vocabulary learning, corpus analysis, and applications of concordancing in teaching and learning. She has published articles in journals including *Journal English for Special Purposes* and *Journal of English for Academic Purposes*, as well as in edited collections such as the *Routledge Handbook of vocabulary studies*. She is also an editor of the ELR Journal.

**Paper Title:** Towards an Evidence-Supported Assessment Policy: Innovative Use of ChatGPT and Other Online Tools

Dr Julia Chen is the Director of the Educational Development Centre at The Hong Kong Polytechnic University. She holds a PhD in Applied Linguistics and is a Principal Fellow of Advance HE (PFHEA). One of her research interests is leveraging technology and learning analytics for quality enhancement. She leads several large-scale multi-university projects, including a recent one on Generative AI. Julia has won numerous awards, such as the QS Reimagine Education Awards 2022 Breakthrough Technology Innovation in Education Silver Prize, the Hong Kong University Grants Committee Teaching Award 2022 (Collaborative Teams), and the EdTech Heroes Learning Experience Award 2023, to name a few.

**Paper Title:** Towards an Evidence-Supported Assessment Policy: Innovative Use of ChatGPT and Other Online Tools
Dr Fiaz Hussain has been working as an Associate Professor at the Department of Public Administration, Fatima Jinnah Women University, Rawalpindi, Pakistan. He holds a PhD in ‘Government & Public Policy’ from National Defence University, Islamabad, Pakistan and postdoc from the University of Reading, United Kingdom. His academic and industry experience spans over 15 years. His research papers have been published in reputed peer-reviewed journals (e.g. Review of Policy Research). He has also presented his research work at leading international conferences such as AIB UK&I/Reading IB 2022, the 2022 Annual Conference of Asia Pacific Public Policy Network (AP-PPN), 3rd International Workshops on Public Policy, Budapest 2022, Korean Public Administration International Conference-2022, AOM-PDW Seattle, USA, and Global Design Network (GDN) Workshop, Qatar. His research interests are public policy, social policy and governance.

**Paper Title:** Evaluating the Efficacy of ChatGPT in Higher Education: Insights from Pakistan and China

Muhammad Azfar Anwar is serving as an associate researcher at the Institute for Cultural and Creative Industries, Shenzhen University. Prior, he served the College of Management, Shenzhen University and worked as Assistant Professor at the Management Sciences Department of COMSATS University Islamabad, Vehari Campus. His research areas include Climate Change Communication, Disruptive Technologies and Consumer Behavior, and Digitalization. He has published in reputed international peer-reviewed journals, including Waste Management, Journal of Cleaner Production, Journal of Business Research, Journal of Retailing and Consumer Services and Decision Sciences.

**Paper Title:** Evaluating the Efficacy of ChatGPT in Higher Education: Insights from Pakistan and China
Venue Information

Venue Location:

Building B

Port Shelter
Contact Us

Center for Education Innovation (CEI)
Phone: (852) 2358 6811
Email: cei@ust.hk
Address:
Room 6401 (Lifts 25-26), Academic Building
The Hong Kong University of Science and Technology,
Clear Water Bay, Kowloon, Hong Kong

Institute for Public Policy (IPP)
Phone: (852) 2358 5753
Email: ipp@ust.hk
Address:
Room 4611 (Lifts 31-32), Academic Building
The Hong Kong University of Science and Technology,
Clear Water Bay, Kowloon, Hong Kong

Emergency Contact
ZHANG, Xuan
WhatsApp/Phone: (852) 5465 2086
WeChat: roxanne__z
Email: xzhangho@connect.ust.hk