

AWARDS AND ACHIEVEMENTS



Professor Alex Jingwei He

Ranked as the World's Top 2%
Most-cited Policy Scholar
by Stanford University 2023

The Stanford World's Top 2% Most Cited Scholars ranking (2023) was released in early October 2023. Professor Alex Jingwei He, Associate Professor of PPOL and Acting Director of IPP has been ranked 413 out of 22449 scholars worldwide in the field of Political Science and Public Administration based on 2022 single year impact.

Stanford's list of the top 2% most cited scientists in the world identifies scholars who have published multiple highly cited papers ranked according to various metrics on citation impact across multiple scientific fields and subfields based on Scopus data for career-long, and, separately, for single recent year impact. The selection is based on the top 100,000 scientists by c-score (with and without self-citations) or a 2% or above percentile rank in the sub-field.

This marks the second consecutive year that Prof. He has obtained a place in this esteemed ranking, underscoring the global resonance and significance of his contributions to the field. Prof. He's area of expertise encompasses comparative social policy, health policy and governance, as well as policy innovation and entrepreneurship. This recognition of Prof. He's sustained excellence and commitment to his research brings immense pride to the Division of PPOL and HKUST. Congratulations to Prof. He!



Prof. Alex Jingwei He
Associate Professor, PPOL
Acting Director, IPP



Professor Alex Jingwei He

Received the Karl Loewenstein Fellowship

Prof. Alex Jingwei He has been honored with the Karl Loewenstein Fellowship by Amherst College in the United States in November 2023. The fellowship, established in memory of Karl Loewenstein, William Nelson Cromwell Professor of Jurisprudence and Political Science at Amherst College in Massachusetts, aims to afford scholars the opportunity to dedicate time to political science and public policy research. In line with this, Prof. He will impart knowledge through a course entitled "Public Policy in Stories: East Asian Perspectives" to students at Amherst College, renowned for its standing as a leading liberal arts institution in the US. Moreover, he plans to leverage the insights gained from teaching this innovative course upon his return to HKUST. During his fellowship, Prof. He will also finalize several manuscripts.

Professor Magdalena Klemun

Published the Analysis on Solar Energy Cost Trends in Nature Energy

Prof. Magdalena Klemun, Assistant Professor of PPOL, has recently published a paper entitled “Mechanisms of Hardware and Soft Technology Evolution and the Implications for Solar Energy Cost Trends” in **Nature Energy** (Impact Factor: 67.439). Based on a collaboration with experts from MIT and Harvard, including Goksin Kavlak, James McNerney, and Jessika Trancik, the paper presents a new model to analyze the cost evolution of solar energy systems, capturing the contributions of both hardware and software technology features to total cost reductions since the 1980s. The model reveals that soft technology in designing and deploying solar energy systems contributed far less to the total cost declines of solar installations than estimated. Driving solar energy costs down in the future will likely require either new approaches for improving soft technology or new hardware designs that reduce system dependencies on soft technology features. Either way, continued cost reduction of solar energy and other clean energy technologies will likely require a stronger focus on improving technology features that are non-hardware based. Prof. Klemun’s work has caught wide media attention and has been featured by MIT in EurekaAlert!, Mirage News, MIT News, TechXplore, and USA News Hub.

Prof. Klemun focuses on understanding how technologies’ economic and environmental performance evolves as a function of policy and engineering design choices, with a particular interest in the role of hardware vs. non-hardware (‘soft’) innovations. Prof. Klemun did her Ph.D. and postdoctoral research at the Institute for Data, Systems, and Society (IDSS), Massachusetts Institute of Technology (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.



Prof. Magdalena Klemun
Assistant Professor, PPOL

References:

Adam Zewe, To Improve Solar and Other Clean Energy Tech, Look Beyond Hardware, MIT News

Klemun, Magdalena M., et al. “Mechanisms of hardware and soft technology evolution and the implications for solar energy cost trends.” *Nature Energy* 8.8 (2023): 827-838.

MIT, Beyond Hardware: Key to Advancing Solar, Clean Energy Tech, Mirage News

nature energy

Analysis

<https://doi.org/10.1038/s41560-023-01286-9>

Mechanisms of hardware and soft technology evolution and the implications for solar energy cost trends

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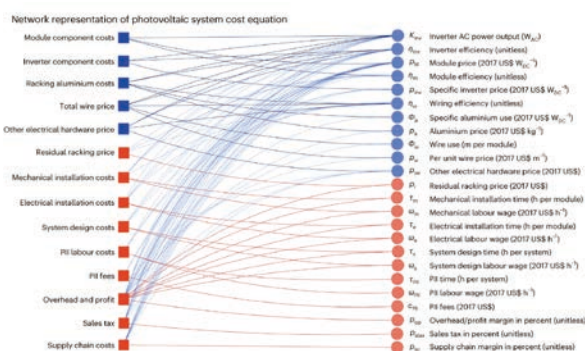
Magdalena M. Klemun^{1,2,3,4}, Goksin Kavlak⁵, James McNerney^{4,6} & Jessika E. Trancik^{1,4}

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Technology hardware and deployment processes (‘soft technology’) seem fundamentally different, but little work examines the nature of this difference and its implications for technology improvement. Here we present a model to study the role of hardware and soft technology in



Prof. Julien de Troullioud de Lanversin

won the Asian Universities Alliance (AUA)
Scholars Award 2023-2024



Prof. Julien de Troullioud de Lanversin

Assistant Professor, PPOL

Prof. Julien de Troullioud de Lanversin has won the Asian Universities Alliance (AUA) Scholars Award and will be visiting Tsinghua University in June 2024 to establish connections and collaboration with international peers to work on joint projects on US-China relations and international security.

About the AUA Scholars Award

The AUA Scholars Award program was initiated by AUA in 2018. A flagship project award aimed at fostering international research collaboration and academic advancements, the program provides a robust platform for meaningful academic exchanges and synergy between the 15 AUA top universities by facilitating them to host scholars from other member universities for a duration of 2 weeks. The AUA scholars will have the opportunity to expand their research horizons and cultivate international academic partnerships with other overseas peers.



ONGOING PROJECTS

| Leading Faculty | Funding Agency | Project |
|----------------------------------|---|--|
| Prof. Naubahar Sharif 白立邦 教授 | Executive's Project List 2023- Hong Kong Jockey Club Charities Trust | Enhancing the Mental Health of Hong Kong's Non-Chinese Youth Aged 15-24 (2024-now) |
| | Mental Health Initiatives Funding Scheme, Advisory Committee on Mental Health | Strengthening Family Relationships for Hong Kong's Ethnic Minority Communities in the Aftermath of the Covid-19 Pandemic (2023 - Now) |
| | Mental Health Initiatives Funding Scheme, Advisory Committee on Mental Health | Supporting Ethnic Minority Elderly with Mental Health Needs (2023 - Now) |
| | Mental Health Initiatives Funding Scheme, Advisory Committee on Mental Health | Preparing and Deploying Ethnic Minority Lay Leaders to Promote Mental Well-being Among Hong Kong's Major Ethnic Minority Communities (2022 - Now) |
| | Center for Aging Science, HKUST | Towards a More Inclusive Hong Kong: Covid-19, Mental Well-being, and Mitigation Strategies for a Multicultural Elderly Community (2022 - Now) |
| | Institute for Emerging Market Studies, Center for Economic Policy, HKUST | Influence of and Interplay Between Culture and Chinese Outward FDI into Southeast Asia (2022 - Now) |
| Prof. Masaru Yarime 鎗目雅 副教授 | Global Engagement Funds, University College London | Public Perspectives on Personal Data Use for Personalized Covid-19 Advice (2022 - Now) |
| | Institute for Emerging Market Studies | The Smart City as a Field of Innovation: Effects of Public-Private Data Collaboration on Innovation in the Guangdong Province and Implications for the Greater Bay Area (2022 - Now) |
| Prof. Pengyu Zhu 朱鵬宇 副教授 | RGC - Public Policy Research Funding Scheme | The Persistence of Behavioral Changes in Post-Pandemic Hong Kong: Implications for Transportation, Housing and Economic Development Policies 後疫情時代香港社會行為轉變的持續性研 究：對於交通政策、住房政策以及經濟發 展政策的指導意義 (2022 - Now) |
| Prof. Alex Jingwei He 和經緯 副教授 | RGC - General Research Fund | Technocrats and Mid-Level Policy Entrepreneurship in China: Explaining Local Policy Innovations in the Social Welfare Arena 中國大陸的技術官僚與中層政策企業家： 解釋社會福利領域的地方政策創新 (2023 - Now) |