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## Rethinking Semiconductor Global Production Networks: From Geopolitics to Environmental Sustainability

## Henry Wai-chung Yeung

Based on his lead-authored chapter on semiconductors in *Global Value Chain Development Report 2023* (WTO/ ADB, October 2023) and Josh Lepawsky's (2024) important work in iScience on the environmental risks of chipmaking, this lecture offers some key empirical observations on the highly contested and politicized nature of semiconductor global production networks since the US-China trade war and the Covid-19 pandemic. This lecture ends with a discussion of some relevant future research agendas on technology, environmental resilience, and politics for the interdisciplinary studies of global production networks and global value chains.

Henry Yeung is a leading academic expert in global production networks and the global economy. He is currently Distinguished Professor and Professor of Economic Geography at the Department of Geography, National University of Singapore. In January 2025, he will take up the Choh-Ming Li Professorship at the Department of Geography and Resource Management, The Chinese University of Hong Kong. He received his Ph.D. from the University of Manchester in 1995 under the supervision of Peter Dicken, who is renowned for his seminal book *Global Shift: Mapping the Changing Contours of the World Economy* (7 editions).

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