

Innovation, Productivity, and Challenges in the Digital Era: Asia and Beyond



Next webinar: 9 February 2022, Wednesday

10:00 am – 11:10 am, Wednesday (Beijing-Singapore Time)

7:30 am – 8:40 am, Wednesday (India Time)

9:00 pm – 10:10 pm, Tuesday (US Time / Eastern Time)

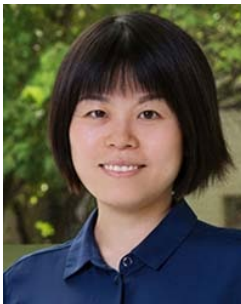
8:00 pm – 9:10 pm, Tuesday (Central Time)

UPCOMING WEBINARS

9 February 2022, 10:00 AM (SGT)

The Efficiency of a Dynamic Decentralized Two-Sided Matching Market

This paper studies a decentralized dynamic matching market by using data from a large ride-sharing platform to estimate a model of search and matching between drivers and passengers. The authors measure the preferences for trips and waiting costs of passengers and drivers. The authors assess whether and to what extent centralized algorithms that require different information sets can improve efficiency, and the authors show that information on agent preferences and search lengths are particularly important for the platform to implement algorithms that increase revenue and the total surplus of drivers and passengers.



Tracy Xiao LIU, Associate Professor, Department of Economics, School of Economics and Management, Tsinghua University

Co-authors:

ZhiXi WAN, Professor, Faculty of Business and Economics, University of Hong Kong

Chenyu YANG, Assistant Professor, Department of Economics, University of Maryland



Discussant:

Xiaolan ZHOU, Zijiang Endowed Young Scholar, Faculty of Economics and Management, East China Normal University

Session Format

The session lasts for 1 hour 10 minutes (25 minutes for the presenter, 25 minutes for the discussion and 20 minutes for participants' Q&A). Sessions will be recorded and posted on ABFER's web, except in cases where speakers or discussants request us not to.

Registration

Please register [here](#). A unique Zoom webinar link will be sent to you two days before the event. (Notice: Videos and screenshots will be taken during each session for the purpose of marketing, publicity purposes in print, electronic and social media)

About the Webinar

Artificial Intelligence (AI), Big Data, multilevel neural nets, the Internet of Things (IoT) and other digital technologies are transforming the world. They are strengthening innovation and productivity and innovation by rendering the future more predictable and reshaping individual, business, social, and government behavior. Asia leads the world in some of these endeavors, e.g., digital platforms. The OECD lists 40% of big new digital technologies as Asian. Almost half of global digital platform business-to-consumer revenues are Asian, versus only 22% from the U.S. and 12% from the Eurozone. Profound new policy challenges arising, in consequence, include: shifting skills demanded in labor markets and “digital divide” inequality, (ii) AI expanding financial inclusion or encoding inequality, expanding or obscuring accountability, increasing transparency or obscuring amoral decision-making, and (iii) digital privacy, unsanctionable on-line libel, misinformation, manipulation, and propaganda. The ABFER, therefore, plans a monthly e-seminar series spotlighting important new research, particularly the Asia-pacific related, into these issues and providing “state-of-the-art” overviews by prominent scholars. We hope policy makers and practitioners will find the e-seminars helpful and will alert researchers to issues needing attention.