

# Sixth World KLEMS Conference: March 9-10; 16-17

## Day 1: March 9, 2021

<b>New York</b> 8:00 - 11:00 a.m.	<b>Santiago</b> 10:00 a.m. - 1:00 p.m.	<b>London</b> 1:00 - 4:00 p.m.	<b>Brussels</b> 2:00 - 5:00 p.m.	<b>India</b> 6:30 - 9:30 p.m.	<b>Beijing</b> 9:00 p.m. - 12:00 a.m.	<b>Japan</b> 10:00 p.m. - 1:00 a.m.	<b>Sydney</b> 12:00 a.m. - 3:00 a.m.
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### Session 1 (1:20 hours)

<b>New York</b> 8:00 - 9:20 a.m.	<b>Santiago</b> 10:00 a.m. - 11:20 a.m.	<b>London</b> 1:00 - 2:20 p.m.	<b>Brussels</b> 2:00 - 3:20 p.m.	<b>India</b> 6:30 - 7:50 p.m.	<b>Beijing</b> 9:00 p.m. - 10:20 p.m.	<b>Japan</b> 10:00 p.m. - 11:20 p.m.	<b>Sydney</b> 12:00 a.m. - 1:20 a.m.
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### PLENARY SESSION #1: Impact of COVID 19 on Productivity -- Chair: Bart van Ark

Nicholas Bloom, Philip Bunn, Paul Mizen, Pawel Smietanka and <b>Gregory Thwaites</b>	The impact of Covid-19 on productivity
Matt Russell and Jay Stewart	U.S. Productivity and the COVID-19 Pandemic
John Fernald & <b>Huiyu Li</b>	COVID and potential output
Bart van Ark, Klaas de Vries and Abdul Erumban	The Impact of the COVID-19 Pandemic on productivity dynamics by industry: A Comparison between France, UK and USA

### Session 2 (1:20 hours)

<b>New York</b> 9:30 - 11:00 a.m.	<b>Santiago</b> 11:30 a.m. - 1:00 p.m.	<b>London</b> 2:30 - 4:00 p.m.	<b>Brussels</b> 3:30 - 5:00 p.m.	<b>India</b> 8:00 - 9:30 p.m.	<b>Beijing</b> 10:30 p.m. - 12:00 a.m.	<b>Japan</b> 11:30 p.m. - 1:00 a.m.	<b>Sydney</b> 1:30 a.m. - 3:00 a.m.
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#### EU KLEMS #1 -- Chair: Nicholas Oulton

#### Latin America KLEMS #1 -- Chair: Eduardo Fernández-Arias

Nicholas Oulton	Measuring Productivity: theory and British practice	Alberto Vindas and Carlos Chaverri	Technological Differences in Costa Rica
Robert Stehrer	Capital productivity measures: Definitions, availability, and relation to labour productivity dynamics	Nicolas Grosman, Kevin Russell and Jaana Remes	Latin American missing middle
Cecilia Jona-Lasinio, Valentina Meliciani, and Silvia Sopranzetti	Organizational capital and global value chain participation: strengthening productivity growth in the digital age	Wulong Gu and André Hofman	Sectoral PPP in Latin American countries
Elodie Andrieu and Mariagrazia Squicciarini	Job resilience, skill demand and the covid-19 crisis: evidence from online job postings	Eva Benages and Matilde Mas	Knowledge Based Capital in Latin America

## Day 2: March 10, 2021

New York 8 - 11 a.m.	Santiago 10 a.m. - 1 p.m.	London 1 - 4 p.m.	Brussels 2 - 5 p.m.	India 6:30 - 9:30 p.m.	Beijing 9 p.m. - 12 a.m.	Japan 10 p.m. - 1 a.m.	Sydney 12 a.m. - 3 a.m.
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New York 8:00 - 9:20 a.m.	Santiago 10:00 a.m. - 11:20 a.m.	London 1:00 - 2:20 p.m.	Brussels 2:00 - 3:20 p.m.	India 6:30 - 7:50 p.m.	Beijing 9:00 p.m. - 10:20 p.m.	Japan 10:00 p.m. - 11:20 p.m.	Sydney 12:00 a.m. - 1:20 a.m.
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#### (KLEMS) Measurement Methods -- Chair: Jon Samuels

#### China KLEMS -- Chair: Kyoji Fukao

Mun S. Ho, Jon D. Samuels	Tier Structure Aggregation and KLEMS Growth Accounting	Harry X. Wu and <b>Zhongwen Zhang</b>	Exploring the Industry Origin of Resource Misallocation in the Chinese Economy
Lin Shao	Allocative Efficiency and the Productivity Slowdown	<b>Harry X. Wu</b> , David T. Liang and George G. Zhang	Accounting for the role of labor input in China's 40 years of economic growth
Kevin J. Fox, Kay Cao, Franklin Soriano	Measuring Firm-Level Capital and Productivity using Australian Integrated Microdata	Huimin Zhu	Factor Cost Distortions in the Chinese Economy: Observations from CIP/China KLEMS Database
Cindy Cunningham, Lucia Foster, Cheryl Grim, John Haltiwanger, Sabrina Wulff Pabilonia, Jay Stewart, and Zoltan Wolf	Productivity Dispersion, Entry, and Growth in U.S. Manufacturing Industries	Zhan Li	Accounting for Sources of China's Growth from a Regional Economy Perspective—A Preliminary Attempt

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#### PLENARY SESSION #2: Human Capital -- Chair: Barbara Fraumeni

Maureen Cropper and Burak Turkgulu	The Impact of Air Pollution on Human Capital in India
<b>Gang Liu</b> and Barbara M. Fraumeni	Methodological Summary and Comparative Rankings of Six Major Human Capital Measures
Glenn-Marie Lange, Shun Chonabayashi (presenter), Esther Naikal, and Kenan Karakulah	The Impact of Air Pollution on Human Capital Wealth
Mary O'Mahony and <b>Lea Samek</b>	Health and Human Capital

# Day 3: March 16, 2021

<b>New York</b> 9:00 a.m. - 1:00 p.m.	<b>Santiago</b> 10:00 a.m. - 2:00 p.m.	<b>London</b> 1:00 - 5:00 p.m.	<b>Brussels</b> 2:00 - 6:00 p.m.	<b>India</b> 6:30 - 10:30 p.m.	<b>Beijing</b> 9:00 p.m. - 1:00 a.m.	<b>Japan</b> 10:00 p.m. - 2:00 a.m.	<b>Sydney</b> 12:00 a.m. - 4:00 a.m.
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### PLENARY SESSION #3: Intangibles -- Chair: Carol Corrado

Cammeraat, <b>Samek</b> and Squicciarini	Managerial Practices, Workforce Skills and Productivity in Sectors
Dan Sichel and Eric von Hippel	Household Innovation and R&D: Bigger than You Think
Carol Corrado, <b>Mary O'Mahony</b> , Lea Samek	How does education contribute to productivity? A social infrastructure approach applied to the US and UK.
G. Berlingieri, C. Corrado, C. Criscuolo, J. Haskel, <b>Alexander Himbert</b> and C. Jona-Lasinio	New Evidence on Intangibles, Diffusion and Productivity

## Session 2 (1:20 hours)

<b>New York</b> 10:30 - 11:50 a.m.	<b>Santiago</b> 11:30 a.m. - 12:50 p.m.	<b>London</b> 2:30 - 3:50 p.m.	<b>Brussels</b> 3:30 - 4:50 p.m.	<b>India</b> 8:00 - 9:20 p.m.	<b>Beijing</b> 10:30 p.m. - 11:50 p.m.	<b>Japan</b> 11:30 p.m. - 12:50 a.m.	<b>Sydney</b> 1:30 a.m. - 2:50 a.m.
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### EU KLEMS #2 (incl. Russia) -- Chair: Ilya B. Voskoboynikov

### Digital Economy -- Chair: Erich Strassner

Ilya B. Voskoboynikov, Eduard F. Baranov, Kseniya V. Bobyleva, Rostislav Kapeliushnikov, Dmitri I. Piontkovski, Aleksandr A. Roskin, Anton E. Tolokonnikov	Recovery experiences of the Russian economy. The patterns of the post-shock growth after 1998 and 2008 and future prospection.	Carol Robbins	Measuring Open Source Software as an Intangible, Digital Asset using GitHub
Dariusz Kotlewski and Miroslaw Blazej	Analysis of the Substitution between the Production Factors and Intermediate Inputs in the Light of KLEMS Growth Accounting for Poland	Chris Blackburn	Valuing the Data Economy using Machine Learning and Online Job Postings
Toma Lankauskiene	Labour productivity growth determinants in the manufacturing sector in the Baltic states: Intangible capital approach	Marshall Reinsdorf	Measurement Implications of the Free Services of the Digital Economy
Ksenia Bobyleva	The contribution of intangible assets to the growth of sectors of the Russian economy or what innovations are active?	Khuong Minh Vu	Patterns and Sources of Financial Sector Growth in Industrialized Economies: The Effects of Digital Transformation
Antonio F. Amores, Juan M. Valderas-Jaramillo, Veronique Deneville, Nadia Di Veroli	Productivity paths in the European Union: the use Quality adjusted labour input indexes for a better understanding of productivity developments	Martin van Elp and Nino Mushkudiani	Free services, experimental study for the Netherlands

## Special Session (1:00 hours)

<b>New York</b> 12:00 - 1:00 p.m.	<b>Santiago</b> 1:00 - 2:00 a.m.	<b>London</b> 4:00 - 5:00 p.m.	<b>Brussels</b> 4:00 - 5:00 p.m.	<b>India</b> 9:30 - 10:30 p.m.	<b>Beijing</b> 12:00 - 1:00 a.m.	<b>Japan</b> 1:00 - 2:00 a.m.	<b>Sydney</b> 3:00 a.m. - 4:00 a.m.
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### SPECIAL PLENARY SESSION: Latin America KLEMS #2 -- Chair: André Hofman

Eduardo Fernandez-Arias, André Hofman and Tomás Galvez	A comprehensive overview of the overall results of the LAKLEMS project
Francisco Guillén	The Evolution of Productivity in Mexico in the period 1990-2019
Jovana Palacios, Alejandro Alonso, Ramón González, Cesar Alvarado, Cristián Tercero and José Robles	Results from Colombia, Chile, Costa Rica, Dominican Republic, El Salvador, Honduras and Peru

## Day 4: March 17, 2021

<b>New York</b> 9:00 a.m. - 12:00 p.m.	<b>Santiago</b> 10:00 a.m. - 1:00 p.m.	<b>London</b> 1:00 - 4:00 p.m.	<b>Brussels</b> 2:00 - 5:00 p.m.	<b>India</b> 6:30 - 9:30 p.m.	<b>Beijing</b> 9:00 p.m. - 12:00 a.m.	<b>Japan</b> 10:00 p.m. - 1:00 a.m.	<b>Sydney</b> 12:00 a.m. - 3:00 a.m.
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#### Japan/Korea KLEMS -- Chair: Hak K. Pyo

#### India KLEMS -- Chair: Deb Das

Kyoji Fukao, Kim YoungGak and Kwon Hyeog Ug <b>and Kenta Ikeuchi</b>	Sources of Japan's Economic Growth: Analysis Based on the JIP Database 2018 and Economic Census Data	Siddhartha Nath	Capital misallocation and its implications for India's potential GDP: An evidence from India KLEMS
Tsutomu Miyagawa, Konomi Tonogi, Takayuki Ishikawa	Does the Productivity J-Curve Exist in Japan?	Deb Kusum Das and Samiran Dutta	Industry Origins of Growth and Productivity in India: The Manufacturing Story
Hyunbae Chun, Hak K. Pyo and Keun Hee Rhee	Intangibles and Industrial Productivity Growth in Korea (1995-2017)	Abdul A. Erumban, Harry X. Wu, Deb Kusum Das, David Liang	Levels and growth rates of sectoral productivity: A comparison of India and China
Joji Tokui and Tatsuji Makino	A Comparison of Human Capital and Productivity across Prefectures: Studies Based on Japan's Prefecture-level KLEMS Data	Abid A. Burki, Mushtaq A. Khan, Syed Muhammad Hussain, Muhammad Raza Mustafa Khan	Structural Change in Pakistan using Pakistan KLEMS Database, 1980-2010

### Session 2 (1:20 hours)

<b>New York</b> 10:30 - 11:00 a.m.	<b>Santiago</b> 11:30 a.m. - 1:00 p.m.	<b>London</b> 2:30 - 4:00 p.m.	<b>Brussels</b> 3:30 - 5:00 p.m.	<b>India</b> 8:00 - 9:30 p.m.	<b>Beijing</b> 10:30 p.m. - 12:00 a.m.	<b>Japan</b> 11:30 p.m. - 1:00 a.m.	<b>Sydney</b> 1:30 a.m. - 3:00 a.m.
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#### PLENARY SESSION # 4: Closing Session -- Chair: Steve Landefeld

Steve Landefeld	The Importance of Global Value Chain Analysis to Public Policy
Justin Harper, Jon D. Samuels, Corby Garner, Michael Jadoo, Andrew Kato, Michael Sverchkov, Jerin Varghese	Using the American Community Survey to Construct a Labor Composition Measure Suitable for the BLS MFP Account and BEA-BLS Integrated Industry-level Production Account
Nicholas Oulton	GDP is a Measure of Output, Not Welfare. Or, HOS Meets the SNA
Weilin Liu, Robin Sickles	Industry-Specific Productivity and Spatial Spillovers through input-output linkages: evidence from Asia-Pacific Value Chain

#### Closing Remarks