All Times are USA Eastern Time (EDT)

* Member of the Planning Committee

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**The National Academies of**

**SCIENTES • ENGINEERING • MEDICINE**

Innovation Policy Forum

**Innovation, Global Value Chains, and Globalization Measurement**

May 5-7, 2021

Via Zoom

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**AGENDA**

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**DAY 1:**

Wednesday – May 5, 2021

Via Zoom

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**10:00 AM**

**Welcome**

Susan Helper, Case Western Reserve University (Co-chair*)
Wolfgang Keller, University of Colorado (Co-chair*)

**10:15 AM**

**Paper: Multinational Firms and Global Innovation**

Anna Gumpert (LMU Munich), Kalina Manova (University College London), Cristina Rujan (Max Planck Institute), Monika Schnitzer (LMU Munich)

**Moderator:** Justin R. Pierce, Federal Reserve Board*

**Discussant:** Allison Derrick, U.S. Bureau of Economic Analysis

**11:05 AM**

**Paper: Tracing Value Added in the Presence of Multinational Firms: with an Applications to High Tech Sectors**

Zhi Wang (George Mason University); Shang-Jin Wei (Columbia Business School, NBER, CEPR); Xinding Yu (University of International Business and Economics); and Kunfu Zhu (Renmin University)

**Moderator:** Sally Thompson, U.S. Bureau of Economic Analysis (retired)*

**Discussant:** Thomas F. Howells III, U.S. Bureau of Economic Analysis

**11:55 AM**

**Break**
12:15 PM  **Paper: Trade in services, intangible capital, and the profit-shifting hypothesis**  
Nadia Accoto, Stefano Federico, and Giacomo Oddo (Bank of Italy)

**Moderator:** Nadim Ahmad, Organisation of Economic Co-operation and Development*  
**Discussant:** James Hines, University of Michigan

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1:05 PM  **Paper: Talent, Geography, and Offshore R&D**  
Jingting Fan (Penn State University)

**Moderator:** Eduardo Morales, Princeton University*  
**Discussant:** Gary Lyn, Iowa State University

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1:55 PM  Break

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2:15 PM  **Paper: The Nature and Direction of Innovation in Global Value Chains for Wind Energy Technologies**  
Kavita Surana (University of Maryland, College Park), Claudia Doblinger (Technical University of Munich), Deyu Li (University of Cambridge), Nathan Hultman (University of Maryland, College Park), Laura Diaz Anadon (University of Cambridge)

**Moderator:** Eduardo Morales, Princeton University*  
**Discussant:** Kelly Sims Gallagher, Tufts University*

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3:05 PM  **Paper: Governing Global Value Chains: Evidence from Automotive Trade Data**  
Susan Helper (Case Western Reserve University)* and Abdul Munasib (U.S. Bureau of Economic Analysis)

**Moderator:** Wolfgang Keller, University of Colorado (Co-chair*)  
**Discussant:** Davin Chor, Dartmouth College*

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3:55 PM  **Day 1 Closing Remarks**  
Susan Helper, Case Western Reserve University (Co-chair*)  
Wolfgang Keller, University of Colorado (Co-chair*)

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4:00 PM  **Adjourn Day 1**
DAY 2:  
Thursday – May 6, 2021  
Via Zoom

9:30 AM  Welcome  
Susan Helper, Case Western Reserve University (Co-chair*)  
Wolfgang Keller, University of Colorado (Co-chair*)

9:35 AM  Keynote Address—  
FDI and Superstar Spillovers: Evidence from firm-to-firm transactions  
John Van Reenen, London School of Economics

10:05 AM  Paper: Creation and Diffusion of Knowledge in the Multinational Firm  
Çağatay Bircan (EBRD), Beata Javorcik (EBRD, University of Oxford, and CEPR),  
and Stefan Pauly (Sciences Po)  
Moderator: Andreas Moxnes, University of Oslo*  
Discussant: Heiwai Tang, Hong Kong University

10:55 AM  Paper: Firm Selection and Organizational Choice: Complex Patterns of Global Sourcing  
Valérie Smeets and Frédéric Warzynski (Aarhus University)  
Moderator: Davin Chor, Dartmouth College*  
Discussant: Catherine Thomas, London School of Economics

11:45 AM  Break

12:05 PM  Paper: Are Customs Records Consistent Across Countries? Evidence from the U.S. and Colombia  
C.J. Krizan (U.S. Department of Labor), James Tybout (Penn State U. and NBER), Zi Wang (Shanghai University of Finance and Economics), and Yingyan Zhao (George Washington U.)  
Moderator: Andreas Moxnes, University of Oslo*  
Discussant: Jeronimo Carballo, University of Colorado

12:55 PM  Paper: Capital Flows in Global Value Chains  
Xiang Ding (Georgetown University)  
Moderator: Nadim Ahmad, Organisation of Economic Co-operation and Development*  
Discussant: Brent Moulton, International Monetary Fund

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1:45 PM  Break

2:05 PM  **Paper: Colocation of Production and Innovation: Evidence from the United States**
   *Teresa C. Fort* (Tuck School at Dartmouth & CEPR & NBER), Wolfgang Keller (University of Colorado & CEPR & NBER)*, Peter K. Schott (Yale School of Management & CEPR & NBER), Stephen Yeaple (Penn State University & NBER), and Nikolas Zolas (Center for Economic Studies, U.S. Census Bureau)

   **Moderator:** Justin R. Pierce, Federal Reserve Board*
   **Discussant:** Nicholas Bloom, Stanford University

2:55 PM  **Day 2 Closing Remarks**
   *Susan Helper, Case Western Reserve University (Co-chair*)
   Wolfgang Keller, University of Colorado (Co-chair*)

3:00 PM  Adjourn Day 2

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**DAY 3:**
Friday – May 7, 2021
Via Zoom

10:00 AM  Welcome
   *Susan Helper, Case Western Reserve University (Co-chair*)
   Wolfgang Keller, University of Colorado (Co-chair*)

10:05 AM  **Panel: GVC Measurement Methodology: Challenges and Prospects**
   Moderator: Sally Thompson, U.S. Bureau of Economic Analysis (retired)*

   **Measuring Global Value Chains**
   *Timothy J. Sturgeon, Massachusetts Institute of Technology*

   **Quality Challenges in Modernising Official Business Statistics**
   *Oscar Lemmers, Statistics Netherlands*

   **Measuring R&D and Competitiveness of U.S. Value-Added Exports: Prospects and Challenges**
   *Jon D. Samuels, U.S. Bureau of Economic Analysis*

   **Discussant:** Francisco Moris, National Science Foundation

11:15 AM  Break

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11:30 AM  **Lessons from the Workshop: A Panel Discussion**
Moderator: Susan Helper, Case Western Reserve University (Co-chair*)

* Rebecca Riley, ESCoE and King’s College London
* Maria Borga, International Monetary Fund
* Nadim Ahmad, Organisation of Economic Co-operation and Development*

12:30 PM  **Closing Remarks**
Wolfgang Keller, University of Colorado (Co-chair*)

12:45 PM  **Adjourn**