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## ACADEMIC EMPLOYMENT AND AFFILIATIONS

### QUEEN MARY UNIVERSITY OF LONDON (QMUL)

Reader in Economics Aug 2018-

### TOULOUSE SCHOOL OF ECONOMICS (TSE)

Research Associate Aug 2020-  
Assistant Professor Jan 2017 - Jul 2018  
Visiting Junior Chair Jan-Dec 2016

### UNIVERSITY OF MANNHEIM

Assistant Professor Aug 2011 - Dec 2016

### CENTRE FOR ECONOMIC POLICY RESEARCH (CEPR)

Research Affiliate, Development Economics Dec 2018-  
Research Affiliate, Macroeconomics and Growth Dec 2016-

### CENTRE FOR MACROECONOMICS (LSE)

Research Associate May 2018-

## EDUCATION

### UNIVERSITY OF WISCONSIN-MADISON

Ph.D. Economics, *summa cum laude* Aug 2011  
M.S. Economics Dec 2007

### SEOUL NATIONAL UNIVERSITY

B.A. Economics, *magna cum laude* Feb 2002

## RESEARCH

### JOURNAL ARTICLES

1. **COVID-19 Doesn't Need Lockdowns to Destroy Jobs: The Effect of Local Outbreaks in Korea** with Sangmin Aum and Yongseok Shin  
*Labour Economics*, accepted Apr 2021.
2. **Inequality of Fear and Self-Quarantine: Is There a Trade-off between GDP and Public Health?** with Sangmin Aum and Yongseok Shin  
*Journal of Public Economics* 194, Feb 2021.
3. **Who is Afraid of Machines?** with Sotiris Blanas and Gino Gancia  
*Economic Policy* 34(100): 627–690, Mar 2020.

4. **On the Intergenerational Transmission of Economic Status** with Ananth Seshadri  
*Journal of Political Economy* 127(2):855–921, Apr 2019.
5. **Entrepreneurs, Managers and Inequality**  
*Review of Economic Dynamics* 32:42–67, Apr 2019.
6. **Computerizing Industries and Routinizing Jobs: Explaining Trends in Aggregate Productivity** with Sangmin Aum and Yongseok Shin  
*Journal of Monetary Economics* 97:1–21, Aug 2018.
7. **Economic Policy and Equality of Opportunity** with Ananth Seshadri  
*Economic Journal* 128(612):F114–F151, Jul 2018.

#### OTHER PUBLICATIONS

8. **Industrial and occupational employment changes during the Great Recession** with Sangmin Aum and Yongseok Shin  
*Review, Federal Reserve Bank of St. Louis* 99(4):307–317, Oct 2017.

#### WORKING PAPERS

9. **Transforming Institutions: Labor Reallocation and Wage Growth in a Reunified Germany** with Wolfgang Dauth, Sebastian Findeisen and Tommaso Porzio  
*mimeo*, 2021.
10. **Hit Harder, Recover Slower? Unequal Employment Effects of the Covid-19 Shock** with Minsung Park and Yongseok Shin  
*NBER w28354*, 2021.
11. **Who Should Work from Home during a Pandemic? The Wage-Infection Trade-off** with Sangmin Aum and Yongseok Shin  
*NBER w27908, CEPR dp15332*, 2020.
12. **Horizontal and Vertical Polarization: Task-Specific Technological Change in a Multi-Sector Economy** with Yongseok Shin  
*NBER w23283*
13. **The Causal Effect of Parents' Education on Children's Earnings** with Nicolas Roys and Ananth Seshadri  
*2nd Revise & Resubmit, American Economic Review*, 2018.
14. **The Option Value of Human Capital: Higher Education and Wage Inequality** with Yongseok Shin and Donghoon Lee  
*NBER w21724*  
*Revise & Resubmit, Journal of the European Economic Association*, 2017.

#### AWARDS AND GRANTS

BA Special Research Grant: COVID-19 £10,000.00, PI	Jan 2015 - Jun 2018
Maekyung-KAEA Young Economist Award	Jan 2019
PEDL Major Research Grant £238,564.80, Co-PI; PI: Yongs Shin	Jan 2015 - Jun 2018
Fritz Thyssen Stiftung with Benjamin Born, Georg Dürnecker and Cezar Santos	May 2013
Autonomiefonds University of Mannheim	Mar 2013

Alice Gengler Distinguished Graduate Fellowship <i>Dept of Economics, UW-Madison</i>	Sep 2010 - May 2011
NBER Travel Grant <i>Entrepreneurship Working Group</i>	Jul/Dec 2010
Best Student Paper Award <i>Southwestern Economics Association</i>	Mar 2010
Economics Merit Scholarship <i>Seoul National University</i>	1999-2000

## PROFESSIONAL VISITS

Washington University in St. Louis	Apr 2018/2020, June/July 2017, Sep 2016, Aug 2015, Aug 2012
Seoul National University	Jul-Aug 2019, Jul 2018, Aug 2017, Jun/Aug 2016, Aug 2011
McGill University	Apr 2019
Bank of Portugal	Feb 2019
Korea University	Jul 2018
University of San Diego	Apr 2018
Johns Hopkins University	Apr 2018
University of Oslo	Nov 2016
Federal Reserve Bank of St. Louis	Apr 2016, Feb 2014, Jul 2013, Jan 2012
University of Wisconsin-Madison	Apr 2016, Summer 2013
University of Notre Dame	Apr 2016
KDI School	Oct 2015
University College London	Feb 2015
Arizona State University	Oct 2014
Federal Reserve Bank of Atlanta	Aug 2012

## INVITED SEMINAR PRESENTATIONS

**2021:** University of Manchester, University of Surrey (*online*)

**2020:** Carlos III Madrid (*online*)

**2019:** University of Edinburgh Nazarbayev University Insper São Paulo, FGV São Paulo, McGill University, London Business School University of Nottingham Banco de Portugal

**2018:** LMU Munich NHH Bergen University of Oslo Johns Hopkins University Stockholm School of Economics, Sciences Po, Queen Mary University of London

**2017:** University of Kent, University of Bristol University of Cambridge National University of Singapore University of New South Wales, London School of Economics University of Amsterdam/Tinbergen ESADE Lancaster University

**2016:** École Polytechnique University of Oslo, European University Institute, Universitat de Barcelona University of Wisconsin-Madison, University of Notre Dame

**2015:** CORE (Louvain) Autònoma Barcelona KDI School of Public Policy and Management University of Essex MadMac (Joint Carlos III & CEMFI seminar) Toulouse School of Economics, University of Essex IFS / UCL

**2014:** University of Cyprus Stockholm IIES, Uppsala University University of Southampton Western University

**2012:** University of Konstanz University of Bonn (Macro) Federal Reserve Bank of Atlanta Federal Reserve Bank of St. Louis

**2011:** Samsung Economic Research Institute, Korea Institute for International Economic Policy, University of Mannheim, University of Western Ontario Wharton School (Finance Group), Federal Reserve Bank of Richmond

**2010:** Collegio Carlo Alberto University of Wisconsin-Madison

## CONFERENCES

### PRESENTATIONS

- 2021:** SED (*Minneapolis, online*), SAET (*online, invited*) London Macro Workshop (*London, online*) AEA (*online*)
- 2020:** KER International Conference (*Seoul, online*), ES World Congress (*Milan, online*)
- 2019:** Inequality, Education and Intergenerational Mobility (*Hamburg, invited*) KER International Conference (*Seoul, invited*), SNU Policy Forum on Inequality, Development and Reunification (*invited*) QMUL-SUFE Workshop Transpyrenean Macro Workshop AEA (*Atlanta\**)
- 2018:** ESWM Europe (*Napoli*) SED (*Mexico City*), SAET (*Taipei, invited*) Transpyrenean Macro Workshop 3rd GRIPS-Keio Macroeconomics and Policy Workshop (*invited*) 2nd Swiss Macro Workshop (*Sils-Maria, invited*)
- 2017:** Carnegie-Rochester-NYU conference on Public Policy (*invited*) RIDGE @ IEA World Congress (*Mexico City, invited*), ES Summer Meeting North America (*St. Louis, invited*) Transpyrenean Macro Workshop NBER EFG (*New York*)
- 2016:** XXXI Jornadas de Economía Industrial, (*Palma de Mallorca, invited*) EEA (*Geneva*) Minnesota Workshop in Macroeconomic Theory SED (*Toulouse*), GTD Taipei Transpyrenean Macro Workshop AEA (*San Francisco*)
- 2015:** EEA (*Mannheim*), ES World Congress (*Montreal*) IGC Growth Workshop (*Addis Ababa, invited*), 13th International Conference on the Ethiopian Economy Macroeconomic Implications of Firm-Labor Heterogeneity (*Barcelona Summer Forum*), Family Economics Workshop (*Barcelona Summer Forum*) AEA (*Boston*)
- 2014:** ESWM Europe (*Madrid*) ASSET (*Aix-en-Provence*) Tax and the Aggregate Economy (*ASU, invited*), Normative Ethics and Welfare Economics (*BFI, invited*) The economics of study choices (*Zurich*) Economic Inequality, Labor Markets and International Trade (*CEPR, Ascona*) AEA (*Philadelphia*)
- 2013:** Frankfurt-Mannheim Macro Workshop Financial Frictions and the Real Economy (*DFG*), Family Economics Workshop (*Barcelona Summer Forum*) CEPR ESSIM (*Izmir*)
- 2012:** Vienna Macro Workshop, Cologne Workshop on Macroeconomics SED (*Cyprus*), Mannheim-Frankfurt Macro Workshop AEA (*Chicago*)
- 2011:** Micro and Macro Perspectives on the Aggregate Labor Market (*NBER, Aarhus*) ES Asian Meeting (*Seoul*) RES (*Royal Holloway*) MEA (*St. Louis*)
- 2010:** ASSET (*Alicante*) SSSA (*Houston*), MEA (*Evanston*)

### DISCUSSIONS

- 2021:** AEA (*online*)
- 2020:** Pandemics and Inequality (*FRB St. Louis*)
- 2019:** CEPR MG QMUL Ph.D. Workshop AEA (*Atlanta*)
- 2018:** ECB/CEPR Labour Market Workshop (*Frankfurt*) CEPR MG Mannheim Workshop in Quantitative Macroeconomics
- 2017:** CEPR ESSIM (*Tarragona*)
- 2015:** MaCCi IO Day
- 2014:** Frankfurt-Mannheim Macro Workshop
- 2012:** IREBS Conference on Real Estate Economics and Finance (*Regensburg*)
- 2011:** MEA (*St. Louis*)
- 2010:** SSSA (*Houston*), MEA (*Evanston*)

## PROFESSIONAL SERVICES

### JOURNAL REFEREE:

Journal of Public Economics, European Economic Review, International Economic Review, American Economic Review: Insights, Research Policy, Journal of Contemporary Asia, CESifo, Review of Income and Wealth, Review of Economic Dynamics, Review of Economic Studies, American Economic Journal: Macroeconomics, Quantitative Economics, Quarterly Journal of Economics, Economic Journal, Labour Economics, Journal of Development Economics, Economic Theory, Journal of the European Economic Association, Journal of Economic Theory, American Economic Review, Journal of Human Capital, Econometrica

### GRANT REFEREE:

ISRF, SSHRC, Leverhulme

### CONFERENCE & WORKSHOP ORGANIZATION:

E1Macro: QM-QM, <i>Co-Organizer</i>	London 2019
International Workshop on Financing Human Capital, <i>Co-Organizer</i>	Paris 2018
Mannheim Workshop in Quantitative Macroeconomics, <i>Co-Organizer</i>	2016, 2014, 2013
Frankfurt-Mannheim Macro Workshop, <i>Co-Organizer</i>	2015
ES European Winter Meetings, <i>Assistant Program Committee Member</i>	Madrid, 2015

### RECRUITING COMMITTEE:

QMUL 2019-2020, TSE 2017, Mannheim 2012-2015

### SEMINAR ORGANIZATION:

TSE Macro Seminar 2017-2018, Mannheim Internal Seminar 2014

## MEDIA

### Inequality of Fear and Self-Quarantine: Is There a Trade-off between GDP and Public Health?

featured coverage in [Academic Times](#)

featured coverage in Korea: [Asia Business Daily](#), [Money Today](#), [Kookmin Ilbo](#), [Yonhap News](#)

### Hit Harder, Recover Slower? Unequal Employment Effects of the Covid-19 Shock

featured in [The Washington Post](#)

### COVID-19 Doesn't Need Lockdowns to Destroy Jobs: The Effect of Local Outbreaks in Korea

featured in [The Wall Street Journal](#) and [Barron's](#)

featured coverage in [Folha de S.Paulo](#) (*Brazil*) and [National Post](#) (*Canada*)

featured article in [The Conversation](#)

### Who is Afraid of Machines?

featured coverage in [The Telegraph](#)

featured column in [VoxEU](#)

## Computerizing Industries and Routinizing Jobs: Explaining Trends in Aggregate Productivity

featured column in [VoxEU](#)

## Economic Policy and Equality of Opportunity

featured column in [LSE Business Review](#)

## TEACHING AND OTHER

### External Ph.D. examiner

Chanwoo Kim (*UCL 2020*)  
Paul Garcia Hinojosa (*Essex 2019*)  
Tomás Rodríguez Martínez (*Carlos III 2019*)  
Johanna Schauer (*TSE 2016*, placement: IMF)

## Queen Mary University of London

### SUPERVISION

Chiara Bernardi (*Ph.D. expected 2024*)  
Paula Cesana (*Ph.D. expected 2024*)  
Ioannis Papadakis (*Ph.D. expected 2023*, secondary advisor)  
2 BSc, 2 MSc theses supervised

### COURSES TAUGHT

Macroeconomics I ( <i>BA</i> )	Spring 2019-2021
Advanced Macroeconomics ( <i>MRes</i> )	Fall 2018-2020

## Toulouse School of Economics

### SUPERVISION

Joana Duran Franch (*Postdoc, Columbia Business School, 2021*)  
3 MA theses supervised

### COURSES TAUGHT

Quantitative Methods in Economics ( <i>M2</i> )	Spring 2018
Advanced Macroeconomics ( <i>M1</i> )	Spring 2018
Heterogeneity in Quantitative Macroeconomics ( <i>DEEQA</i> )	Fall 2016/2017
Applied Econometrics ( <i>M1</i> )	Fall 2016-Spring 2017
Quantitative Models of Inequality ( <i>DEEQA Mini-Course</i> )	Spring 2016

## University of Mannheim

### SUPERVISION

Vahe Krrikyan (*Scope AG, 2019*)  
Florian Exler (*U Vienna, 2017*, secondary advisor)  
Henning Roth (*Alte Leipziger-Hallesche, 2016*, secondary advisor)  
25 BA theses, 3 MA theses supervised

## COURSES TAUGHT

Economic Growth ( <i>BA</i> )	Spring 2015, Fall 2013
Advanced Macroeconomics I ( <i>Ph.D. core</i> )	Fall 2014
Growth Comparisons ( <i>BA seminar course</i> )	Spring 2014, Spring/Fall 2012
Topics in Quantitative Macroeconomics ( <i>Ph.D.</i> )	Fall 2013, Spring 2012/2013
Growth Comparisons ( <i>MA seminar course</i> )	Spring/Fall 2013, Fall 2011
Growth and Development ( <i>BA</i> )	Fall 2011/2012

## UW-Madison

### COURSES TAUGHT

Intermediate Macroeconomics	Summer 2013
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### TEACHING ASSISTANCE

Macroeconomic Theory ( <i>Ph.D. core</i> )	Fall 2006-Spring 2007, Spring 2010
Principles of Macroeconomics ( <i>Head TA</i> )	Fall 2009
Statistics: Measurement in Economics ( <i>BA</i> )	Fall 2008-Spring 2009

### PROJECT ASSISTANCE

Professor Ananth Seshadri	Summer 2009, Fall 2007-Spring 2008
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## SNU (Project Assistance)

Professor Keunkwan Ryu	Fall 2000-Summer 2001
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## SKILLS

### COMPUTERS

F90/95, C/C++, MPI Parallel Programming; Python, R; Matlab, Stata; LaTeX; Linux O/S

### LANGUAGES

English (*native*), Korean (*native*), German (*basic B1*), French (*basic B1*)

## OTHER

### MILITARY SERVICE

Command Group Interpreter, <i>UNC/CFC</i>	<i>Seoul</i> , Jul 2003-Jun 2005
Intel Officer / Network Administrator, <i>CIOC, CFC</i>	<i>Seoul</i> , Jan 2003-Jun 2003
Logistics / Liaison Officer, <i>ROKAF Logistics Command / JUSMAG-K Daegu</i>	Sep 2002-Dec 2002
Air Force Interpreter Training, <i>ROKAF Operations Command</i>	<i>Osan</i> , Jul 2002-Sep 2002
Air Force Officer Candidate School, <i>ROKAF Education &amp; Training Command</i>	<i>Jinju</i> , Mar 2002-Jun 2002
U.S. Army Commendation Medal	Mar 2005
U.S. Army Achievement Medal	Sep 2003

### FUNDRAISING / COMMUNITY DEVELOPMENT

Chimteka Children Support, Ltd. ( <i>Malawi/Ireland</i> )	Aug 2011-Nov 2016
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