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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 Fellow, Macroeconomics and Growth

Research Affiliate, Development Economics

Research Affiliate, Macroeconomics and Growth

Dec 2018-2023

Dec 2016-2023

CENTRE FOR MACROECONOMICS (LSE)

Research Associate May 2018-

# **EDUCATION**

University of Wisconsin-Madison

Ph.D. Economics, summa cum laude

M.S. Economics

Aug 2011

Dec 2007

SEOUL NATIONAL UNIVERSITY

B.A. Economics, magna cum laude Feb 2002

# **RESEARCH**

**JOURNAL ARTICLES** 

 COVID-19 Doesn't Need Lockdowns to Destroy Jobs: The Effect of Local Outbreaks in Korea with Sangmin Aum and Yongseok Shin

Labour Economics 70, Jul 2021.

- 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
- 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.

- featured coverage in Academic Times
- featured coverage in Korea: Asia Business Daily, Money Today, Kookmin Ilbo, Yonhap News

#### 3. Who is Afraid of Machines?

with Sotiris Blanas and Gino Gancia

Economic Policy 34(100): 627-690, Mar 2020.

- featured coverage in The Telegraph
- featured column in VoxEU
- 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.

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.

- featured column in VoxEU
- 7. Economic Policy and Equality of Opportunity

with Ananth Seshadri

Economic Journal 128(612):F114-F151, Jul 2018.

- featured column in LSE Business Review

#### OTHER PUBLICATIONS

- 8. The Political Economy of Early COVID-19 Interventions in U.S. States: Comment *Journal of Economic Dynamics and Control*, 104, Jul 2022.
- 9. Who Should Work from Home during a Pandemic? The Wage-Infection Trade-off with Sangmin Aum and Yongseok Shin Review, Federal Reserve Bank of St. Louis, 104(2):92–109, Apr 2022.

  NBER w27908, CEPR dp15332, 2020.
- 10. **Hit Harder, Recover Slower? Unequal Employment Effects of the Covid-19 Shock** with Minsung Park and Yongseok Shin *Review, Federal Reserve Bank of St. Louis*, 103(4):1–17, Oct 2021.

  NBER w28354, 2021.
  - featured in The Washington Post, Times Square Investment Journal
- 11. 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

12. Binding Up the Nation's Wounds: An Economic Analysis of the Korean Reunification with Yongseok Shin

mimeo, 2021.

- research note at PEDL
- 13. The Causal Effect of Parents' Education on Children's Earnings

with Nicolas Roys and Ananth Seshadri

*NBER* w32223, 2024.

14. Transforming Institutions: Labor Reallocation and Wage Growth in a Reunified Germany with Wolfgang Dauth, Sebastian Findeisen and Tommaso Porzio mimeo, 2021.

# 15. Horizontal and Vertical Polarization: Task-Specific Technological Change in a Multi-Sector Economy with Yongseok Shin

NBER w23283, 2017

# 16. The Option Value of Human Capital: Higher Education and Wage Inequality

with Yongseok Shin and Donghoon Lee

NBER w21724, 2017.

## **AWARDS AND GRANTS**

Best Teacher of a Compulsory Module (SEF QMUL)	Academic Year 2021/2022
BA Special Research Grant: COVID-19 £10,000.00, PI	Sep 2020 - Feb 2022
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 Dept of Economics, UW-Madison	
	Sep 2010 - May 2011
NBER Travel Grant Entrepreneurship Working Group	Jul/Dec 2010
Best Student Paper Award Southwestern Economics Association	Mar 2010
Economics Merit Scholarship Seoul National University	1999-2000

# **PROFESSIONAL VISITS**

Washington University in St. Louis

Ap	or 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**

2024: University of Regensburg, University of Surrey, University of Konstanz

**2023**: Seoul National University, Korea University, University of Southampton, University of Essex

**2022**: Carlos III Madrid, UCL, King's College London, Korea Development Policy Study Association (*online*)

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

2020: (all online) Carlos III Madrid

**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), Autonoma 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

**2024**: RES (Queens Univeristy Belfast)

**2023**: ESWM Europe (*Manchester*), PHBS Macro and Finance (*Shenzen, invited*), EALE (*Prague*), KER International Workshop (*Yeosu*)

2022: Bristol Macro Workshop

**2021**: CEPR MG (*Rome*), Spanish Macro Network (*Alicante*), ES Australasia (*online*), 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 London*), MEA (*St. Louis*)

2010: ASSET (Alicante), SSSA (Houston), MEA (Evanston)

#### **Discussions**

2023: Frankfurt-Mannheim Macro Workshop, QMUL Ph.D. Workhop

**2022**: PHBS Macro and Finance (*Oxford*)

2021: JEDC Covid-19, AEA (all online)

2020: Pandemics and Inequality (FRB St. Louis, online), AEA (San Diego)

2019: CEPR MG, QMUL Ph.D. Workhop, 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**

Co-Director of Graduates Studies

**QMUL Mres** 

**EEA MINORITIES IN ECONOMICS** 

Founding member, including launch of climate survey

#### **JOURNAL REFEREE:**

QJE, EJ, Macroeconomic Dynamics, JPE: Macro, Economica, IER, JEEA, EER, PNAS, Journal of Labor Research, Economic Modelling, JPubE, AER: Insights, Research Policy, Journal of Contemporary Asia, CESifo, Review of Income and Wealth, Review of Economic Dynamics, ReStud, AEJ: Macroeconomics, Quantitative Economics, Labour Economics, Journal of Development Economics, Economic Theory, JET, AER, Journal of Human Captial, Econometrica

#### GRANT REFEREE:

SNSF, ISRF, SSHRC, Leverhulme

# CONFERENCE & WORKSHOP ORGANIZIATION:

ES European Winter Meeting, *Program Committee Member* KAEA Job Market Conference, *Panelist* 

Manchester 2023 2022-2023 KAEA Macro VSS, Co-Organizer

E1Macro: QM-QM, Co-Organizer

International Workshop on Financing Human Capital, Co-Organizer

Mannheim Workshop in Quantitative Macroeconomics, Co-Organizer

Frankfurt-Mannheim Macro Workshop, Co-Organizer

ES European Winter Meetings, Assistant Program Committee Member

2022-2023

London 2019

Paris 2018

2016, 2014, 2013

Madrid 2015

#### RECRUITING COMMITTEE:

QMUL 2022, 2020, 2019, TSE 2017, Mannheim 2012-2015

## SEMINAR ORGANIZATION:

TSE Macro Seminar 2017-2018, Mannheim Internal Seminar 2014

# **TEACHING AND OTHER**

#### External Ph.D. examiner

Marta Alvaro-Taus (*Surrey* 2022) 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

Evgeniia Lambranaki (*Ph.D. expected 2027*)
Chiara Bernardi (*Ph.D. expected 2024*)
Paula Cesana (*Ph.D. expected 2024*)
Giacomo Carlini (*Ph.D. expected 2024*, secondary advisor)
Ioannis Papadakis (*Postdoc, University of Sussex, 2023*, secondary advisor)
Iacopo Varotto (*Bank of Spain, 2022*, committee member)
5 BSc, 5 MSc theses supervised

# **COURSES TAUGHT**

Advanced Macroeconomics (MRes)

Economics of Inequality (BA)

Economics of Inequality ( $Professional\ Masters$ )

Macroeconomics II (MSc)

Macroeconomics I (BA)

Fall 2018-2023

Spring 2022-2024

Spring 2022-2024

Spring 2019-2022

#### **Toulouse School of Economics**

## Supervision

Alexandre Gaillard (*Postdoc, Princeton then Brown*, 2022, secondary advisor) Joana Duran Franch (*Postdoc, Columbia Business School*, 2021, currently OECD) 3 MA theses supervised

#### Courses Taught

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

Advanced Macroeconomics I (Ph.D. core)

Growth Comparisons (BA seminar course)

Topics in Quantitative Macroeconomics (Ph.D.)

Growth Comparisons (MA seminar course)

Growth Comparisons (MA seminar course)

Growth and Development (BA)

Spring 2015, Fall 2014

Spring 2014, Spring/Fall 2012

Fall 2013, Spring 2012/2013

Spring/Fall 2013, Fall 2011

## **UW-Madison**

## Courses taught

Intermediate Macroeconomics Summer 2013

## TEACHING ASSISTANCE

Macroeconomic Theory (*Ph.D. core*)

Principles of Macroeconomics (*Head TA*)

Statistics: Measurement in Economics (*BA*)

Fall 2006-Spring 2007, Spring 2010

Fall 2009-Spring 2009

#### PROIECT ASSISTANCE

Professor Ananth Seshadri Summer 2009, Fall 2007-Spring 2008

# **SNU (Project Assistance)**

Professor Keunkwan Ryu Fall 2000-Summer 2001

# **SKILLS**

#### **COMPUTERS**

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

## LANGUAGES

English (native), Korean (native), German (basic B1), French (basic A2)

## **OTHER**

# MILITARY SERVICE

Command Group Interpreter, UNC/CFC Seoul, Jul 2003-Jun 2005 Intel Officer / Network Administrator, CIOC, CFC Seoul, Jan 2003-Jun 2003 Logistics / Liaison Officer, ROKAF Logistics Command / JUSMAG-K Daegu, Sep 2002-Dec 2002 Air Force Interpreter Training, ROKAF Operations Command Osan, Jul 2002-Sep 2002 Air Force Officer Candidate School, ROKAF Education & Training Command *Jinju,* Mar 2002-Jun 2002

U.S. Army Commendation Medal U.S. Army Achievement Medal

Mar 2005 Sep 2003

# Fundraising / Community Development

Chimteka Children Support, Ltd. (Malawi/Ireland)

Aug 2011-Nov 2016