

# JUERGEN JUNG

## CONTACT INFORMATION

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## CURRENT EMPLOYMENT

Professor of Economics, Towson University, Towson, MD	Fall 2020 - present
Associate Professor of Economics, Towson University, Towson, MD	Fall 2014 - 2020
Assistant Professor of Economics, Towson University, Towson, MD	Fall 2008 - 2014

## EDUCATION

Ph.D. in Economics, Indiana University, Bloomington, IN	(6/2008)
M.A. in Economics, Indiana University, Bloomington, IN	(3/2007)
M.A. in Economics, Institute for Advanced Studies (IHS), Vienna, Austria	(9/2002)
B.A. in International Business Management, University of Vienna, Austria	(4/1999)

## FIELDS OF SPECIALIZATION

**Primary Fields:** Applied Macroeconomics, Health Economics and Computational Economics

**Secondary Fields:** Public Finance and Applied Econometrics

## PUBLICATIONS

1. Jung, Juergen and Chung Tran (2023), "*Health Risk, Insurance and Optimal Progressive Income Taxation*," [Journal of the European Economic Association](#), forthcoming.
2. Bagchi, Shantanu and Juergen Jung (2022), "Health Risk and the Welfare Effects of Social Security," [Macroeconomic Dynamics](#), forthcoming.
3. Jung, Juergen and Vinish Shrestha (2022), "Healthcare Reform and Gender Specific Infant Mortality in Rural Nepal," [World Development](#), forthcoming.
4. Jung, Juergen and Chung Tran (2022), "Social Health Insurance: A Quantitative Exploration," [Journal of Economic Dynamics and Control](#), Vol. 139, 104374.
5. Jung, Juergen (2022), "Estimating Transition Probabilities Between Health States Using U.S. Longitudinal Survey Data," [Empirical Economics](#), Vol. 63, p. 901-943.
6. Jung, Juergen, James Manley and Vinish Shrestha (2021), "Coronavirus Infections and Deaths by Poverty Status: The Effects of Social Distancing," [Journal of Economic Behavior and Organization](#), Vol. 182(C), p. 311-330.

7. Jung, Juergen and Vinish Shrestha (2018), "The Affordable Care Act and College Enrollment Decisions," Economic Inquiry, Vol. 56, Issue 4, p. 1980–2009.
8. Glomm, Gerhard, Juergen Jung and Chung Tran (2018) "*Fiscal Austerity Measures: Spending Cuts vs. Tax Increases*," Macroeconomic Dynamics, Vol. 22, 2, p. 501–540.
9. Jung, Juergen, Chung Tran and Matt Chambers (2017), "Aging and Health Financing in the U.S.: A General Equilibrium Analysis," European Economic Review, Vol. 100, p. 428–462.
10. Jung, Juergen and Chung Tran (2016), "*Market Inefficiency, Insurance Mandate and Welfare: U.S. Health Care Reform 2010*," Review of Economic Dynamics, Vol. 20, p. 132–159.
11. Huynh, Kim and Juergen Jung (2015), "*Subjective Health Expectations*," Journal of Policy Modeling, Vol. 37, p. 693–711.
12. Glomm, Gerhard and Juergen Jung (2015), "*A Macroeconomics Analysis of Energy Subsidies in a Small Open Economy*," Economic Inquiry, Vol. 53, Issue 4, p. 1783–1806.
13. Jung, Juergen and Jialu Liu-Streeter (2015), "*Does Health Insurance Decrease Health Expenditure Risk in Developing Countries? The Case of China*," Southern Economic Journal, Vol. 82, Issue 2, p. 361–384.
14. Jung, Juergen and Chung Tran (2014), "*Medical Consumption over the Life Cycle: Facts from a U.S. Medical Expenditure Panel Survey*," Empirical Economics, Vol. 47, 3, p. 927–957.
15. Jung, Juergen and Michael Makowsky (2014), "*Regulatory Enforcement, Politics, and Institutional Distance: OSHA Inspections 1990–2010*," Journal of Regulatory Economics, Vol. 45, 1, p. 1–33.
16. Jung, Juergen, Diane Hall-Harnek and Thomas Rhoads (2013), "*Does the Availability of Parental Health Insurance Affect the College Enrollment Decision of Young Americans?*," Economics of Education Review, Vol. 32, p. 49–65.
17. Glomm, Gerhard and Juergen Jung (2013), "*The Timing of Redistribution*," Southern Economic Journal, Vol. 80, 1, p. 50–80.
18. Jung, Juergen and Chung Tran (2012), "*The Extension of Social Security Coverage in Developing Countries*," Journal of Development Economics, Vol. 22, 2, p. 439–458.
19. Christensen, Finn and Juergen Jung (2010), "*Global Social Interactions with Sequential Binary Decisions: The Case of Marriage, Divorce, and Stigma*," The B. E. Journal of Theoretical Economics, Vol. 10, 1 (Contributions), Article 46.
20. Glomm, Gerhard, Changmin Lee, Juergen Jung and Chung Tran (2010), "*Public Sector Pension Policies and Capital Accumulation in Emerging Economies*," The B. E. Journal of Macroeconomics, Vol. 10, 1 (Contributions), Article 15.
21. Glomm, Gerhard, Juergen Jung and Chung Tran (2009), "*Macroeconomic Implications of Early Retirement in the Public Sector: The Case of Brazil*," Journal of Economic Dynamics and Control, Vol. 33, p. 777–797.

## GRANTS

1. College of Business and Economics Faculty Development Summer Research Grant, Towson University, July 2022 (\$5,000). "*Aging and Innovations in the Healthcare Sector*." The goal of this study is to create a dynamic model of innovation in health and health services production and study its implication on healthcare cost.

2. School of Emerging Technologies – grant for interdisciplinary and collaborative research involving emerging technologies, Towson University, awarded May 2019 (\$12,150). “*Career Effects of Health Shocks during the Great Recession.*” In this project we investigate how health shocks during an economic downturn such as the Great Recession shape the lifecycle career pattern of US workers with researchers from the Stanford Center for Longevity.
3. College of Business and Economics Faculty Development Summer Research Grant, Towson University, July 2014 (\$4,000). “*Health Risk and Insurance over the Life-Cycle.*” The goal of this study is to create a dynamic model of health and insurance choice for the U.S.
4. PI for Centers for Medicare and Medicaid Services (CMS)/ Office of the Chief Actuary (OACT) “Multi-Agent General Equilibrium Modeling,” with Matthew Chambers and Chung Tran, August 20, 2012 – August 20, 2013 (\$134,204) In this study we analyzed the long-run effects of the Affordable Care Act on the U.S. health care system using a systems approach.
5. Towson University Research Fellowship Program “A Macroeconomic Analysis of the Fiscal Austerity Measures in Greece,” with Gerhard Glomm, March 2011 – March 2013 (\$6,000) In this study we developed a dynamic simulation model of the Greece economy and modeled public sector reform in the face of large government debt and increases in the risk premium.
6. PI for R03 Grant from Agency for Healthcare Research and Quality (AHRQ) “Health Care Financing over the Life Cycle: A Quantitative Macroeconomic Analysis of U.S. Health Care Reform Plans,” with Chung Tran, awarded August 2010 – August 2011 (Grant number: 1R03HS019796-01, \$66,787). In this study we developed a large scale macroeconomic simulation to assess the effect of health care reform measures over the life-cycle of a U.S. household.
7. World Bank consultant to provide “A Macroeconomics Analysis of the Fiscal System in Egypt,” with Gerhard Glomm, completed in June 2010 (\$15,000). In this study we provided a dynamic simulation to the World Bank to analyze cuts in energy subsidies in Egypt.
8. College of Business and Economics Faculty Development Summer Research Grant “Health Insurance Vouchers,” Towson University, July 2009 (\$6,500). The goal of this study was to develop a model to simulate the short- and long-run effects of the introduction of health insurance vouchers into the U.S. health care system.

## WORKING PAPERS

1. Jung, Juergen and Chung Tran, “Health Risk, Insurance and Optimal Progressive Income TaxationHealth Care Financing over the Life Cycle, Universal Medical Vouchers and Welfare” (under revision)
2. Jung, Juergen and Chung Tran, “The Macroeconomics of Health Savings Accounts” (under revision)

## OTHER WORK

- Juergen Jung and Chung Tran, “Transfers and Labor Market Behavior of the Elderly in Developing Countries: Theory and Evidence from Vietnam,” Towson University Working Paper No. 2009-01

- “Multiple Objective Integer Function Maximization with Genetic Algorithms and Simulated Annealing,” with Guenther Grohall, *Economics Series No. 141, Institute for Advanced Studies*, 2003

## RESEARCH IN PROGRESS

- U.S. healthcare reform and healthcare innovation
- Lifecycle employment risk
- Fiscal policy reform in highly leveraged countries

## TEACHING EXPERIENCE

- Econ 202 Introduction to Macroeconomics, Towson University: Fall 2022, Spring 2022, Fall 2021, Spring 2021, Fall 2020, Spring 2020, Fall 2019, Spring 2019, Minimester 2019, Fall 2018, Spring 2018, Fall 2017, Spring 2017, Fall 2016, Spring 2016
- Econ 310 Macroeconomic Theory (Intermediate Macroeconomics) Towson University: Fall 2022 (2 sections), Fall 2021 (2 sections), Spring 2021 (2 sections), Fall 2020, Fall 2019, Spring 2019, Fall 2018, Spring 2017, Fall 2016, Spring 2014
- Econ 431 Computational Economics, Towson University: Spring 2022, Spring 2020, Fall 2017, Spring 2016, Fall 2012, Spring 2015
- Econ 339 Health Economics, Towson University: Fall 2014, Fall 2013, Spring 2012, Fall 2011, Spring 2011, Fall 2010, Spring 2010, Fall 2009, Spring 2009, Fall 2008
- Econ 205 Introduction to Statistics for Business and Economics (2 sections), Towson University: Spring 2015, Fall 2014, Spring 2014, Fall 2013, Spring 2013, Fall 2012, Spring 2012, Fall 2011, Spring 2011, Fall 2010, Spring 2010, Fall 2009, Spring 2009, Fall 2008
- E520 Optimization Theory in Economics (**Core Ph.D. Class**), Indiana University – Bloomington: Fall 2007, Fall 2006, Fall 2005, and Fall 2004: Teaching Assistant for Prof. Michael Kaganovich with full teaching responsibility for a weekly recitation session
- E202 Introduction to Macroeconomics (Undergraduate Class) at Indiana University – Bloomington: Spring 2007, Associate Instructor with full teaching responsibility
- E370 Introduction to Econometrics (Undergraduate Class), Indiana University – Bloomington: Spring 2006, Associate Instructor with full teaching responsibility for weekly computer lab sections
- E201 Introduction to Microeconomics (Undergraduate Class) at Indiana University – Bloomington: Spring 2005, Associate Instructor with full teaching responsibility

## CONFERENCE/SEMINAR PRESENTATIONS

### 2022

- Invited: University of Houston, Economics Research Seminar, Houston, October 2022
- Invited: Laboratory for Aggregate Economics and Finance (LAEF) at the University of California, Santa Barbara, “Conference on Aging and Healthcare in the Macroeconomy”, Santa Barbara, CA, August 2022

### 2019

- Invited: Penn-Wharton Budget Model (PWBM) Computational and macroeconomics seminars, Washington D.C., October 2019
  - Society of Economic Dynamics Annual Meeting, St. Louis, June 2019
  - Midwest Macro Meetings, Athens, May 2019
  - Development & Research Conference at College of Business and Economics at Towson University, May 2019
- 2017**
- 23rd International Conference on Computing in Economics and Finance, New York, June 28-30, 2017
  - Midwest Macro Meetings, Baton Rouge, May 2017
  - Midwest Economics Association Annual Meeting, Cincinnati, March 2017
- 2016**
- Invited: University at Albany SUNY, Economics Research Seminar, Albany, October 2016
  - Invited: Temple University, Economics Research Seminar, Philadelphia, September 2016
  - Invited: Barcelona Graduate School of Economics Summer Forum, Barcelona, June 2016
  - Development & Research Conference at College of Business and Economics at Towson University, May 2016
- 2015**
- Invited: Harvard School of Public Health, Boston, September 2015
  - Invited: NBER Summer Institute, Macro Public Finance Session, Boston, July 2015
  - Development & Research Conference at College of Business and Economics at Towson University, May 2015
- 2014**
- Public Economic Theory (PET 14) International Meeting, Seattle, July 2014
  - 5<sup>th</sup> Biennial Conference of the American Society of Health (ASHE), University of Southern California, L.A., June 2014
  - Invited: Congressional Budget Office (CBO) Research Seminar, Washington D.C., March 2014
- 2013**
- Invited: University du Quebec a Montreal (UQUAM) Research Seminar, Montreal, November 2014
  - Public Economic Theory (PET 13) International Meeting, Lisbon, July 3-5, 2013
- 2012**
- 18th International Conference on Computing in Economics and Finance, Prague, June 26-29, 2012
  - Midwest Economic Association Meetings, Chicago, March 2012
  - Invited: Centers for Medicare & Medicaid Services - Seminar, Baltimore, March 2012
- 2011**
- Invited: Agency for Healthcare Research and Quality Conference, Washington D.C., September 2011
  - 2011 Far East and South Asia Meeting of the Econometric Society, Seoul, August 2011
  - International Health Economics Association (IHEA) - 8th World Congress, Toronto, July 2011
  - Public Economic Theory Meetings (PET), Bloomington, June 2011
  - Midwest Macro Meetings, Nashville, May 2011
  - Midwest Economics Association Annual Meeting, St. Louis, March 2011
- 2010**
- Invited: Colorado College Research Seminar Series in Economics and Business, Colorado Springs, September 2010
  - Western Economic Association International- 85th Annual Conference, Portland, June 2010

- 3rd Biennial Conference of the American Society of Health (ASHE), Cornell University, June 2010
- Invited: RAND Health Economics Seminar, RAND Corporation, Santa Monica, May 2010
- Midwest Macroeconomics Meetings at Michigan State University, May 2010
- Towson University Economics Department Research Seminar , April 2010

#### 2009

- 2009 Far East and South Asia Meeting of the Econometric Society, Tokyo, Japan, August 2009
- International Health Economics Association (IHEA) - 7th World Congress, Beijing, China, July 2009
- Western Economic Association International- 84th Annual Conference, Vancouver Canada, June/July 2009

#### 2008

- 14th International Conference on Computing in Economics and Finance, Paris, June 2008
- Job market paper accepted for presentation at the ASSA Meeting in New Orleans, (ODE Invited Graduate Student Papers: Health and Environmental Issues), January 2008

#### 2007

- 2<sup>nd</sup> Graduate Students' Conference at Washington University in St. Louis, September 2007
- Conference on Health Public Insurance in the Americas: Towards Universal Coverage, in Mexico City, Mexico, September 2007
- Jordan River Conference, Indiana University, Bloomington, April 2007

#### 2006

- 62<sup>nd</sup> Congress of the International Institute of Public Finance in Paphos, Cyprus, August-September 2006 (session chair and discussant)
- 21<sup>st</sup> Annual EEA-ESEM Congress in Vienna, Austria, August 2006 (session chair)
- Midwest Macroeconomics Meetings at Washington University in St. Louis, June 2006
- Jordan River Conference, Indiana University, Bloomington, April 2006

#### 2005

- Invited: CESifo Conference on Pension Reform in Copenhagen, Denmark, June 2005

## REFeree WORK

- **Peer Reviewed Journals:** The Review of Economic Studies (1), Journal of the European Economic Association (3), Journal of Health Economics (4), European Economic Review (3), International Economic Review (4), Journal of Money, Credit and Banking (1), Review of Economic Dynamics (3), Journal of Economic Dynamics and Control (1), Macroeconomic Dynamics (1), Health Economics (1), Labour Economics (1), The Scandinavian Journal of Economics (3), The Journal of the Economics of Ageing (1), Economics and Human Biology (1), The B.E. Journal of Macroeconomics (1), The B.E. Journal of Economic Analysis & Policy (1), Contemporary Economic Policy (1), Economic Bulletin (1), Social Problems (1), The Manchester School (1), BMC Public Health (1), Journal of Population Ageing (1), Canadian Public Policy/Analyse de politiques (1), Congressional Budget Office (1), Social Science & Medicine (1).
- **Grants:** Social Sciences and Humanities Research Council of Canada Grants (2), Agence Nationale de la Recherche Grants (1), School of Emerging Technologies Grants at Towson University (2)
- **Dissertations:** External Dissertation Committee Member for Etienne Gaudette (Placement at USC Center for Health Policy and Economics) at University du Quebec a Montreal (UQUAM) 2013.

## PROFESSIONAL AFFILIATIONS

American Economic Association, Omicron Delta Epsilon (ODE) Student Association, iHEA (International Health Economics Association), ASHE (American Society of Health Economists), The Econometric Society

## AWARDS-SCHOLARSHIPS

- Outstanding Faculty Research Award from the College of Business and Economics, Towson University, 2015
- Omicron Delta Epsilon (ODE) invitation to present at the Invited Graduate Student Papers: Health and Environmental Issues at the ASSA Meetings in New Orleans, travel grant awarded, 2007
- Participant at the 1<sup>st</sup> Kiel Institute Summer School on Economic Policy, Reforming the Welfare State — Balancing Efficiency and Equity, as one of 25 Ph.D. students, stipend awarded, 2007
- Taulman A. Miller Award for outstanding international student at Indiana University, Department of Economics, 2007
- National Science Foundation (NSF) Award and nomination for the 2nd Nobel Laureate Meetings in Economic Sciences in Lindau, Germany, travel grant awarded, 2006
- Jordan River Conference Award for best graduate student paper, Indiana University, Department of Economics, 2006
- Daniel J. Duesterberg Award for research in public policy and welfare economics, Indiana University, Department of Economics, 2006
- Chancellors Fellowship 2003-2008, Indiana University Bloomington (the top financial aid package that Indiana University gives to graduate students)
- Österreichische Lotterien GmbH Research Stipend (given annually to best student of the Graduate Program in Economics at the Economics Department of the Institute for Advanced Studies in Vienna), 2001

## COMPUTING

Fortran, OpenMP (Parallel computing), Python, Matlab, Julia, Stata, R.

## PERSONAL

Austrian Citizenship, U.S. Permanent Resident. Languages: English (fluent), German (native language), French (elementary)

## REFERENCES

Upon request.