

# **CURRICULUM VITAE**

## **December 2020**

### **Ted Loch-Temzelides**

#### **Contact Information:**

P.O. Box 1892  
Houston, TX 77251-1892  
*E-mail:* [tedt@rice.edu](mailto:tedt@rice.edu)  
*Phone:* 713-348-4875  
*Fax:* 713-348-5278  
*Web:* <http://www.owl.net.rice.edu/~t15/index.html>  
*Twitter:* <https://twitter.com/tedloch>

#### **Research Interests:**

Climate and Environmental Inequality, Global Health, Ecology and Economics

#### **Appointments:**

George and Cynthia Mitchell Professor in Sustainable Development, Department of Economics, Rice University, 2019 – present

Baker Institute Rice Scholar, Center for Energy Studies, James A. Baker III Institute for Public Policy, Rice University, 2010 - present

Professor, Department of Economics, Rice University, 2008 - 2019

Professor, Department of Economics, University of Pittsburgh, 2008

Associate Professor, Department of Economics, University of Pittsburgh, 2002 - 2007

Assistant Professor, Department of Economics, Henry B. Tippie College of Business, University of Iowa, 1997 - 2002 (awarded tenure in 2002)

Economist, Federal Reserve Bank of Philadelphia, 1995 – 1997

### **Other Appointments:**

Visiting Researcher, IMERA, Aix Marseille Universite, Spring 2019

Visiting Researcher, Institute of the Environment and Sustainability, UCLA, Spring 2017

Visiting Scholar, MIT Energy Initiative, Center for Energy and Environmental Policy Research, Massachusetts Institute of Technology, Fall 2016

Visiting Scholar, IMF, during January 2017, August 2016, December 2015, September 2012

Visiting Professor, European University Institute, May - June 2012

Visiting Researcher, Banco de Portugal, June - July 2011

Visiting Professor, *CES*, Ludwig-Maximilians-Universitaet, Munich, June - July 2009

Visiting Associate Professor of Finance, The Wharton School, University of Pennsylvania, 2006 - 2007

Visiting Scholar, Department of Managerial Economics and Decision Sciences, Kellogg School of Management, Northwestern University, Fall 2000

Research Department Visitor, European Central Bank  
October 2008, June 2007, June 2006, May - August 2005, June - August 2004

Research Department Visitor, Federal Reserve Bank of Minneapolis  
June 1996, May - August 1995

### **Education and Degrees:**

Ph.D., University of Minnesota, 1995

Graduate student in Economics, University of Minnesota, 1989-1995

Graduate student in Mathematics (completed coursework requirements for M.S.), University of Minnesota, 1991-1993

B.A. (Economic Sciences), with honors, School of Industrial Studies, University of Piraeus, Greece, 1988

Undergraduate student in Economic Sciences, School of Industrial Studies, University of Piraeus, Greece, 1984-1988

### **Languages:**

Greek, some French and Italian

### **Grants and Awards:**

1. *International Affairs Fellowship in International Economics*, Council on Foreign Relations, 2020–2021
2. *The Environmental Impacts of COVID19 in Texas: Understanding Trade-Offs of Plausible Low-Carbon Futures*, with Sylvia Dee (Earth, Environmental & Planetary Sciences), Carrie Masiello (Earth, Environmental & Planetary Sciences), and Mark Torres (Earth, Environmental & Planetary Sciences); *Rice COVID-19 Research Fund Grant*, Rice University, 2020
3. *Resilience of Industrial and Energy Infrastructure*, with Philip Bedient (Civil and Environmental Engineering), Pedram Hassanzadeh (Mechanical Engineering), Rachel Meidl (Baker Institute for Public Policy), and Jamie Padgett (Civil and Environmental Engineering); *Rice Energy and Environment Initiative (E2I) Seed Grant*, Rice University, 2018
4. *Economic and Environmental Assessment with the Rice World Energy Model*, with Daniel S. Cohan (Civil and Environmental Engineering); *Rice Energy and Environment Initiative (E2I) Seed Grant*, Rice University, 2014
5. Research Professorship Award, *SSRI*, Rice University, 2013
6. *Banco de Portugal Grant*, 2011
7. *National Science Foundation Grant (PI, Mechanism Design and Payments)*, 2005-2008
8. *Henry B. Tippie Research Fellowship*, University of Iowa, 2001

9. *Old Gold Summer Fellowship*, University of Iowa, 1998, 2000
10. *Collegiate Teaching Award*, Henry B. Tippie College of Business, University of Iowa, 1999
11. *Summer Fellowship*, Henry B. Tippie College of Business, University of Iowa, 1999
12. *Summer Research Grant*, Henry B. Tippie College of Business, University of Iowa, 1998, 1999
13. *Distinguished Teaching Assistant*, Department of Economics, University of Minnesota, 1995
14. *Union of Greek Ship-Owners Award* (awarded for high undergraduate GPA to students from families of seamen), 1987

**Published and Ongoing Research:**

- I. Global Health, Climate Resilience, Energy and Environmental Policy:
  1. “Ecology and Economics for Pandemic Prevention,” with Andrew P. Dobson, Stuart Pimm, Lee Hannah, Les Kauffman, Jorge A. Ahumada, Amy W. Ando, Aaron Bernstein, Jonah Busch, Peter Daszak, Jens Engelman, Margaret Kinnaird, Binbin Li, Thomas Lovejoy, Katarzyna Nowak, Patrick R. Roehrdanz, and Mariana M. Vale, *Science* **24 Vol. 369**, Issue **6502**, pp. 379-381, DOI: 10.1126/science.abc3189 (2020)
  2. “Investments in the Primary Prevention of Viral Zoonoses,” with Aaron Bernstein, Amy W. Ando, Mariana M. Vale, Binbin V. Li, Hongying Li, Jonah Busch, Colin Chapman, Margaret Kinnaird, Katarzyna Nowak, Marcia C. Castro, Carlos Zambrana-Torrel, Jorge A. Ahumada, Lingyun Xiao, Les Kaufman, Lee Hannah, Peter Daszak, Stuart L. Pimm, and Andrew P. Dobson, Manuscript (2020)
  3. “Race, Local Pollution, and COVID-19 Deaths in Texas,” with A. Xu, C. Adiole, N. Botton, S. Dee, C. Masiello, M. Torres, and members of the Rice COVID-19 environmental project, in progress

4. “Transport Choice and Socioeconomic Disparities in the Age of Covid-19,” with K. Medlock, in progress
5. “Renewable Technology Adoption and the Macroeconomy,” with Bernardino Adao and Borghan Narajabad, Manuscript (2020)
6. “Mercantilism’s Groundhog Day: A Trade War, the Trump Administration and Northeast Asia,” with Ken Medlock and Wootung Chae, Rice University’s Baker Institute for Public Policy Working Paper (2020)
7. “A Cost-Benefit Analysis of the Jones Act: The Case of Global Tankers,” with Igor Hernandez, Ken Medlock, and Anna Mikulska, forthcoming, *Journal of Transport Economics and Policy* (2021)
8. “Hurricane Surge Risk Assessment of Petroleum Infrastructure under Changing Climate Conditions,” with Majid Ebad Sichani, Katherine A. Anarde, Kendall Capshaw, Pedram Hassanzadeh, Rachel A. Meidl , Jamie E. Padgett, and Philip B. Bedient, *Frontiers in Built Environment: Wind Engineering and Science* <https://doi.org/10.3389/fbuil.2020.00104> (2020)
9. “Needed: Robustness in Climate Economics,” Chapter Six in: *Coping with the Climate Crisis: Mitigation Policies and Global Coordination*, R. Arezki, P. Bolton, K. El Aynaoui, and M. Obstfeld, Eds., *Columbia University Press* (2018)
10. “Employment Impacts of Upstream Oil and Gas Investment in the United States,” with Mark Agerton, Peter Hartley, and Kenneth B. Medlock III, *International Monetary Fund WP/15/28* (2015), *Energy Economics* **62** (2017)
11. “Robust Dynamic Energy Use and Climate Change,” with Xin Li and Borghan Narajabad, *Quantitative Economics* **7** (2016)
12. “Monetary Emissions Trading Mechanisms,” with Cyril Monnet, *International Journal of Economic Theory* **12(1)** (2016)
13. “Energy Sector Innovation and Growth,” with Peter Hartley, Kenneth B. Medlock III, and Xinya Zhang, *The Energy Journal* **37(1)** (2016)

14. “Local Employment Impact from Competing Energy Sources: Shale Gas versus Wind Generation in Texas,” with Peter Hartley, Kenneth B. Medlock III, and Xinya Zhang, *Energy Economics* **49** (2015)
15. “New Alignments? The Geopolitics of Gas and Oil Cartels and the Changing Middle East,” with Songying Fang and Amy Jaffe, *Economics of Energy and Environmental Policy* **3 (1)** (2014)

II. Ecology and Economics, Economic Theory and Experiments:

16. Conservation, Risk Aversion, and Livestock Insurance: the Case of the Snow Leopard, forthcoming, *Conservation Letters* (2021)
17. Walrasian Equilibrium in Nature, Manuscript (2020)
18. “A Double-Slit Experiment with Human Subjects,” with John Duffy, Manuscript (2020)
19. “Money Talks,” with Marie Hoerova and Cyril Monnet, *Economics Letters* **116** (2012)
20. “Optimal Clearing Arrangements for Financial Trades,” with Thorsten Koepl and Cyril Monnet, *Journal of Financial Economics* **103** (2012)
21. “Competitive Behavior in Market Games: Evidence and Theory,” with John Duffy and Alexander Matros, *Journal of Economic Theory* **146 (4)** (2011)
22. “Modeling the Experimental Process in the Social Sciences,” *Journal of Mathematical Economics* **46 (4)** (2010)
23. “Self-Organized Criticality in a Dynamic Entry Game,” with Andreas Blume and John Duffy, *Journal of Economic Dynamics and Control*, **34** (2010)
24. “Fashion Statement,” *Review of Economic Dynamics* **12 (4)** (2009)
25. “A Dynamic Model of Settlement,” with Thorsten Koepl and Cyril Monnet, *Journal of Economic Theory* **142 (1)** (2008)
26. “Banking, Liquidity, and the Velocity of Money,” with Ricardo Cavalcanti and Andres Erosa, *International Economic Review*, **46 (2)** (2005)

27. "A Model of Bureaucracy and Corruption," with Shouyong Shi. *International Economic Review* **45 (3)** (2004)
28. "Lack-of-Recall and Centralized Monetary Trade," with Jialin Yu. *International Economic Review*, **45 (4)** (2004)
29. "On the Local Interaction of Money and Credit," with Yi Jin. *Review of Economic Dynamics*, **7** (2004)
30. "Directed Matching and Monetary Exchange," with Dean Corbae and Randall Wright. *Econometrica* **71 (3)** (2003)
31. "On the Geography of Conventions," with Andreas Blume. *Economic Theory* **22 (4)** (2003)
32. "Matching and Money," with Dean Corbae and Randall Wright. *American Economic Review Papers and Proceedings* **92 (2)** (2002)
33. "Discrete Time Dynamics in a Random Matching Monetary Model," with Hector Lomeli. *Economic Theory* **20 (2)** (2002)
34. "Private Money, Settlement, and Discounts," with Steve Williamson. *Carnegie-Rochester Conference Series on Public Policy* **54** (2001)
35. "Payments Systems Design in Deterministic and Private Information Environments," with Steve Williamson. *Journal of Economic Theory* **99 (1/2)** (2001)
36. "Private Money and Reserve Management in a Random Matching Model," with Ricardo Cavalcanti and Andres Erosa. *Journal of Political Economy* **107 (5)** (1999)
37. "Sequential Equilibrium and Competition in a Diamond-Dybvig Model," with Bernardino Adao. *Review of Economic Dynamics* **1** (1998)
38. "Evolution, Coordination, and Banking Panics," *Journal of Monetary Economics* **40** (1997)

III. Other:

39. “Keeping Up With The Jones Act. Changes A Pandemic And Price War Could Bring,” with Igor Hernández, Ken Medlock, Michelle Foss, and Anna Mikulska, *Forbes.com* (2020)
40. “California’s Solar Rooftop Mandate Doesn’t Make Economic Sense,” with Lee Ohanian, *San Francisco Chronicle* (2018)
41. “My Kingdom for a Renewable Energy Source,” with Lee Ohanian, *The Wall Street Journal* (2017)
42. “The Jones Act: Friend of Foe?,” *Forbes.com* (2017)
43. “Paris, the Environment, and Economic Growth,” *Forbes.com* (2015)
44. “What’s next for Greece?” *Forbes.com* (2015)
45. “Let the Greek Games End,” *Forbes.com* (2015)
46. “Kurdish Oil and U.S. Leverage in Iraq,” with Jim Krane. *Forbes.com* (2014)
47. “Money Talks: Information and Monetary Policy,” with Marie Hoerova and Cyril Monnet. *Yale Economic Review* (2010)
48. Review of “The Theory of Money and Financial Institutions,” Volumes I and II, by Martin Shubik. *Journal of Economic Literature* **XXXIX** (4) (2001)
49. “Are Bank Runs Contagious?” *Federal Reserve Bank of Philadelphia Business Review* (1997)

**Sample Professional Activities:**

CESifo Research Network, Fellow

Editorial Board (Associate Editor), *Economic Theory*, *Economic Theory Bulletin*

Referee, *American Economic Review*, *Austrian Science Fund (FWF)*, *B.E. Journals in Macroeconomics*, *Econometrica*, *Economic Journal*, *Economic Theory*, *The*

*Energy Journal, European Economic Review, Games and Economic Behavior, International Economic Review, International Journal of Game Theory, Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Journal of Economic Theory, Journal of Environmental Economics and Management, Journal of Monetary Economics, Journal of Money, Credit, and Banking, Journal of Political Economy, Journal of Public Economic Theory, Macroeconomic Dynamics, Management Science, National Science Foundation, Review of Economic Dynamics, Research Grants Council of Hong Kong, Review of Economic Studies, The Scandinavian Journal of Economics, Social Sciences and Humanities Research Council of Canada*

Member, *United States Association for Energy Economics-Houston Chapter, American Economic Association, American Finance Association, Econometric Society, Euro Area Business Cycle Network, International Association for Energy Economics, National Association for Business Economics, Royal Economic Society*

Session Organizer, *ASSA Winter Meetings (Chicago, Illinois), 2021*  
Session Organizer, *ASSA Winter Meetings (San Diego, California), 2020*  
Keynote Speaker, *Vietnam Sustainability Conference, January 2019*  
Session Organizer, *SAET Conference, 2009, 2011, 2013, 2017, 2019*  
Session Organizer and Chair, *ASSA Winter Meetings (Atlanta, Georgia), 2019*  
Session Chair, *ASSA Winter Meetings (Philadelphia, Pennsylvania), January 2018*  
Program Organizing Committee, *Hydrocarbon Economics and Evaluation Symposium (Houston, Texas), May 2016*  
Organizing Committee, *8th SAET Conference, 2007*

**Sample Service (Academic):**

Environmental Initiative Task Force Committee (developing a proposal for the creation of an *Environmental Institute* at Rice University)

PhD Student Placement Director, Department of Economics, Rice University, 2019-present

Co-organizer (with Kerry Back), Business and Economics Workshop, jointly run between the Jesse H. Jones Graduate School of Business and the Economics Department, Rice University, 2015-2020

Martel College Magister, Rice University, managed a college consisting of over three hundred undergraduate students and five staff members. Raised \$37,000 and finalized the creation of the *Martel College Endowment*, 2010-2016

Committee on Undergraduate Curriculum, Rice University, 2017-2020

Social Sciences Faculty Advisory Committee, Rice University, 2015-2016

Masters of Energy Economics Organizing and Admission Committees, Rice University, 2015-2020

Masters of Global Affairs Founding Committee, Rice University, 2014-2015  
(created a Global Affairs Masters degree at Rice University)

Athletics Committee, Rice University, 2012-2015

Economics Department External Chair Search Committee, Rice University, 2013

Promotion and Tenure Committee, Rice University, 2009-2010

**Sample Service (non-Academic):**

Board of Directors, *French-American Chamber of Commerce-Houston Chapter*,  
2012 - 2016 (Vice-President, 2015-2016)

Member, *Hellenic Professional Society-Houston Chapter*, 2014-2016

**PhD Thesis Committees:**

1. Amoray Riggs-Cragun (Rice University, 2019), first position: *University of Chicago, Marketing*
2. Justin Balthrop (Rice University, 2019), first position: *University of Kansas, Finance*
3. Ron Liu (Rice University, 2018), first position: *University of Nebraska, Lincoln, Finance*
4. Morad Zekhnini (Rice University, 2016), first position: *Tulane University, Finance*
5. Xin Li (co-advisor) (PhD, Rice University, 2014), first position: *International Monetary Fund*
6. Xinya Zhang (PhD, Rice University, 2013), first position: *Bureau of Economic Geology, University of Texas*
7. Islam Rizvanoglu (advisor) (PhD, Rice University, 2012), first position: *Zirve University, Turkey*

8. Jin Cao (co-advisor) (PhD, Ludwig-Maximilians-Universitaet, Munich, 2010), first position: *Norges Bank*, Norway
9. Amelie Carlton (PhD, University of Houston, 2010), first position: *University of Houston*
10. Ahmadreza Shahidi-Azizabadi (PhD, University of Pittsburgh, 2009), first position: *PMU*, Saudi Arabia
11. Yang Zhao (co-advisor) (PhD, University of Pittsburgh, 2007), first position: *Xiamen University*, China
12. Yong-Ju Lee (PhD, University of Pittsburgh, 2007), first position: *Samsung Research Institute of Finance*, Korea
13. Virginie Masson (PhD, University of Pittsburgh, 2007), first position: *The University of Adelaide*, Australia
14. Xin He (PhD, University of Pittsburgh, 2006), first position: *Central University of Economics and Finance*, Beijing, China
15. Hikmet Gunay (co-advisor) (PhD, University of Iowa, 2003), first position: *Concordia University*, Canada
16. Troy Tassier (PhD, University of Iowa, 2002), first position: *University of Michigan*
17. Sudeep Gosh (PhD, University of Iowa, 2001), first position: *Colgate University*
18. Ahmet Akyol (PhD, University of Iowa, 2001), first position: *York University*, Canada
19. Yi Jin (PhD, University of Iowa, 2001), first position: *University of Kansas*
20. Kartik Athreya (PhD, University of Iowa, 2000), first position: *Federal Reserve Bank of Richmond*
21. Craig Whittinghill (PhD, University of Iowa, 1999), first position: *Southern Illinois University*

### **Undergraduate Senior Research Advising:**

1. Lyon Anderson (Rice University), first position: *Epic Systems*
2. Fengyi Kong (Rice University), first position: Grad. School, *Columbia University*
3. Fahad Punjwani (Rice University), first position: *Deloitte Consulting*
4. Mark Cheng (Rice University), first position: *Belvedere Trading*
5. Bruno Rosa (Rice University), first position: *GP Investments*
6. Steffi Russell Egbert (Rice University), first position: *JP Morgan*
7. Viren Daniel Desai (Rice University), first position: *UBS*