

# Scott A. Wolla

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## EDUCATION

### **Saint Louis University, Saint Louis, Missouri**

Ph.D., Education: Curriculum and Instruction, 2015

Dissertation: *Evaluating the Effectiveness of an Online Learning Module and its Impact on Majority Minority and African American School Populations*

### **University of Delaware, Lerner College of Business and Economics**

M.A., Economics for Educators, 2009

### **Bemidji State University**

M.S., Teacher Education, 2002

### **Minnesota State University**

B.S., Social Studies Education, 1995, Magna Cum Laude

Concentrations: History and Psychology

### **Teaching Licensure, Missouri, Minnesota, North Dakota**

Grades 7-12 Social Studies

## PROFESSIONAL EXPERIENCE

### **Federal Reserve Bank of St. Louis, January 29, 2010 - present**

- **Economic Education Officer, February 2023 – present.**
- **Economic Education Coordinator, November 2018 – January 2023.**
- **Senior Economic Education Specialist, November 2012 - November 2018.**
- **Economic Education Specialist, January 2010 - November 2012.**

### **Washington University in St. Louis, 2020 – present**

- **University College, Adjunct Instructor, Intro to Microeconomics, Intro to Macroeconomics**

### **Saint Louis University, 2013 – 2020**

- **School for Professional Studies, Adjunct Instructor, Survey of Economics, 2013-2020**
- **Chaifetz School of Business, Adjunct Instructor, Principles of Economics, 2014-2018**

### **Jefferson College, Arnold, Missouri, spring 2011**

- **Adjunct Instructor, Microeconomics**

## **Hibbing High School, Hibbing, Minnesota, 1996 – 2010**

- **Social Studies Teacher:** Taught grades seven to twelve, including: U.S. history, civics, world history, economics, and Principles of Microeconomics. Also taught night school and tutored homebound students.
- **Academic Coach and Advisor:** Knowledge bowl coach, economics challenge coach, Close Up advisor, Key Club advisor, Technology Committee, and National Honor Society selection committee.

## **HONORS AND AWARDS**

St. Louis Fed President's Award for Innovation, Extending Fed Transparency to the Classroom:  
Closing the Monetary Policy Curriculum Gap, finalist, 2022

Bessie B. Moore Service Award, National Association of Economic Educators, 2020

St. Louis Fed President's Award for Innovation, Women in Economics Symposium and Podcast Series, 2018  
2017 Emerald Literati Best Paper Award, *Evaluating the effectiveness of an online module for increasing financial literacy*,  
Social Studies Research and Practice

St. Louis Fed President's Award for System Leadership, OMWI Leadership: Bringing Economics to  
Everyone, 2017

J.J. O'Brien Award for Outstanding Graduate Student, Saint Louis University, 2016

3M Economic Educator Excellence Award, Minnesota Council on Economic Education, 2006

Coached the CEE Economics Challenge National Champions, 2006; Minnesota State Champions,  
2002, 2004 - 2007

High School Social Studies Teacher of the Year, Minnesota Council for the Social Studies, 2006

Hibbing United Educators Teacher of the Year, 2006

NASDAQ National Teaching Awards, Midwest Regional Winner, Council on Economic Education, 2005

Innovative Economic Educator Award, Minnesota Council on Economic Education, 2003

## **CURRICULUM AWARDS**

NAEE Curriculum Awards, Platinum Award, Teaching Market Structures with a Gum Market, 2024.

NAEE Curriculum Awards, Gold Award, *How Fed Policy Transmits to the Economy*, 2023.

NAEE Curriculum Awards, Gold Award, *Teaching the New Tools of Monetary Policy*, 2022

NAEE Curriculum Awards, Gold Award, *Long Run Equilibrium*, 2022

NAEE Curriculum Awards, Gold Award, *Using a Structured Minimum Wage Debate in the Classroom*, 2019

NAEE Curriculum Awards, Gold Award, *Using Page One Economics to Address Controversial Topics*, 2018

NAEE Curriculum Awards, Gold Award, *Making Personal Finance Decisions*, 2017

NAEE Curriculum Awards, Gold Award, *Page One: The Productivity Puzzle*, 2017

NAEE Curriculum Awards, Silver Award, *Production Possibilities* Video, 2017

EIFLE Award, Education Program of the Year, *Making Personal Finance Decisions*, 2017

NAEE Curriculum Awards, Gold Award, *The Great Inflation*, 2016

NAEE Curriculum Awards, Gold Award, *Page One Economics: The Gold Standard*, 2016

NAEE Curriculum Awards, Gold Award, *Supply and Demand* Online Course, 2015

NAEE Curriculum Awards, Gold Award, *The Free Silver Movement and Inflation*, 2015

NAEE Curriculum Awards, Gold Award, *The Arsenal of Democracy*, 2015

NAEE Curriculum Awards, Silver Award, *Circular Flow* video, 2015

AVA Digital Awards, Gold Award, *Circular Flow* video, 2014

## LEADERSHIP

American Economic Association, Committee on Economic Education, 2024 – 2026.  
*Journal of Economics Teaching*, Advisory Board, 2023 – present  
The Calvin K Kazanjian Economics Foundation, Board of Trustees, 2022 – present  
Research Information Services (RIS) Collaboration Team, Chair, 2021 – 2022.  
NAEE Executive Board, At Large Representative, 2020 – 2023  
Federal Reserve System Economic Education Women in Economics Committee, Chair, 2019 – 2023.  
Federal Reserve Economic Education Leads Committee, Chair, 2019 – 2020  
Federal Reserve Economic Education Leads Committee, Vice-Chair, 2017 – 2018  
THRIVE System Leadership Initiative, 2017  
Federal Reserve Economic Education Professional Development Committee, Co-Chair, 2016 – 2017  
Federal Reserve System Economic Education Leads Committee, 2015 – 2022  
Federal Reserve Economic Education Technology Committee, Chair, 2013 – 2014  
Education Coordinator and Committee Chair, Federal Reserve Bank of St. Louis, 2012 – 2018  
Council for Economic Education (CEE) Advisory Committee, 2012 – 2015  
Federal Reserve Economic Education External Communications Committee, Chair, 2012

## PUBLICATIONS

### Refereed Journal Articles

Introduction to JEE Symposium on “What Should Go in the Only Economics Course Students Will Ever Take?” *The Journal of Economic Education*, 55(2), 107-109, 2024. (with A. Cohen and W. Stock)  
<https://doi.org/10.1080/00220485.2023.2289969>

“Curriculum Lag Challenges and Strategies for LT Principles: Lessons from Closing the Monetary Policy Curriculum Gap,” *The Journal of Economic Education*, 55(2), p. 167-177, 2024. (with J. Ihrig and M.C. Peate)  
<https://doi.org/10.1080/00220485.2024.2304896>

“Cognitive Science Teaching Strategies and Literary-Targeted Economics Complementarities,” *The Journal of Economic Education*, 55(2), p. 156-165, 2024. (with B. Goffe) <https://doi.org/10.1080/00220485.2023.2295284>

Teaching Monetary Policy with Ample Reserves. *Journal of Economics Teaching*, 8(2), 114-127, 2023. (with Jane Ihrig) <https://doi.org/10.58311/jeconoteach/6f8dff11179466b2d32da497c5465b9cff2774ac>

“Monetary Policy Yesterday, Today, and Beyond,” *Social Education*, National Council for the Social Studies, 87(2), 2023. (with J. Ihrig).

“Let’s close the gap: Updating the textbook treatment of monetary policy,” *The Journal of Economic Education*, 53:3, p. 232-249, 2022. (with J. Ihrig) <https://doi.org/10.1080/00220485.2022.2075509>

“How are Banks and the Fed Linked? Teaching Key Concepts Today,” *Review of Political Economy*, March 2022. (with J. Ihrig) <https://doi.org/10.1080/09538259.2022.2040906>

"Closing the Curriculum Gap by Updating Content Standards and Guidelines for Teaching Monetary Policy," *The American Economist*, 2022. (with J. Ihrig) <https://doi.org/10.1177%2F05694345221085678>

"The Federal Reserve's Early Response to the COVID-19 Pandemic" *Social Education*, National Council for the Social Studies, 85(2), p. 78-80, 2021. (with J. Ihrig) <https://www.socialstudies.org/social-education/85/2/federal-reserves-early-response-covid-19-pandemic>

"The Economics of Artificial Intelligence: A Primer for Social Studies Educators," *The Councilor: A Journal for the Social Studies*: Vol. 81 : No. 2 , Article 3, 2020. [https://thekeep.eiu.edu/the\\_councilor/vol81/iss2/3/](https://thekeep.eiu.edu/the_councilor/vol81/iss2/3/)

"Fixing the 'Curriculum Lag' in Economics: The new tools the Fed is using to influence the economy," *Social Education*, National Council for the Social Studies, 84(2), p. 93-99, 2020. (with J. Ihrig)

"A Survey of Federal Reserve Economic Education Programs and Resources," *The Journal of Economic Education*, 51:1, 68-79, 2020. (with A. Hill) <https://doi.org/10.1080/00220485.2019.1687380>

"Segmenting education content: Long-form vs. short-form online learning modules," *The American Journal of Distance Education*, 33:2, 108-119, 2019. (with D. Méndez-Carbajo). DOI: 10.1080/08923647.2019.1583514

"The Economics of Artificial Intelligence and Robotics," *Social Education*, National Council for the Social Studies, 83(2), pp 83-87, 2019. (with M. Schug and W. Wood)

"One small spoonful at a time: Long-form vs. Short-form Financial Education Learning Modules," *Empirical Pedagogy*, 32(3/4), pp, 401-415, 2018. (with D. Méndez-Carbajo)

"The Textbook Treatment of Net Exports: Will the Uninformed Reader Understand?" *Journal of Economics Teaching*, 3(2), pp. 233-253, 2018.

"Federal Reserve Policy: Managing Both Sides of the Dual Mandate," *Social Education*, National Council for the Social Studies, 82(2), 87-90, 2018. (with K. Kliesen)

"Yours, Mine, and the Truth: Using a Structured Minimum Wage Debate in the Economics Classroom," *The American Economist*, 63 (2), pp. 245-259, 2018. <https://doi.org/10.1177/0569434517736241>

"Evaluating the Effectiveness of an Online Module for Increasing Economic Literacy," *Social Studies Research and Practice*, Vol. 12 Issue: 2, pp.154-167, 2017. <https://doi.org/10.1108/SSRP-04-2017-0014>

"China's Rapid Economic Rise: A New Application of an Old Recipe," *Social Education*, National Council for the Social Studies, 81(2), pp 93-97, 2017. (with Y. Wen)

"Resources for Teaching Economic and Financial Literacy in Light of the Great Recession." *Social Education*, National Council for the Social Studies, 79(2), 74-77, 2015. (with M. Suiter)

"Job Market Signaling: An Active Learning Approach for Teaching Education, Income, and Employment," *Social Studies Research and Practice*, Vol. 9, No. 2, (Summer 2014).

“Why Didn’t China Discover the New World?” *Social Education*, National Council for the Social Studies, Vol. 77, No. 2 (March / April 2013), pp 68 - 73.

“Data Literacy Contributes to Critical Thinking: FRED for the Classroom,” *Social Studies Research and Practice*, Vol. 7, No. 4 (Spring 2012). (with K. Cosgrove and M. Suiter)

### **Articles, Books, and Book Chapters**

*Economics For Life* (textbook), Pearson Publishing, 3<sup>rd</sup> Ed., 2024.

“Teaching Economics Using Primary Sources,” a book chapter in *The Educator’s Handbook for Teaching with Primary Sources*, p.175-190, 2023. (S. Day, G. Podleski, and D. Mendez-Carbajo)

"Making Technical Adjustments: The Difference Between “Conducting” and “Implementing” Monetary Policy," *Economic Synopses*, No. 21, 2021. (with J. Ihrig)

“Let’s close the gap: Revising teaching materials to reflect how the Federal Reserve implements monetary policy,” Finance and Economics Discussion Series 2020-092. Washington: Board of Governors of the Federal Reserve System, 2020. (with J. Ihrig) <https://doi.org/10.17016/FEDS.2020.092>.

“Closing the Monetary Policy Curriculum Gap: A Primer for Educators Making the Transition to Teaching the Fed’s Ample-Reserves Framework,” *FEDS Notes*, 2020-10-23. Board of Governors of the Federal Reserve System. (with J. Ihrig) <https://doi.org/10.17016/2380-7172.2754>

“Would increasing the minimum wage reduce poverty?” a chapter in *Teaching the College, Career, and Civic Life (C3) Framework: Part Two*. Edited by S.G. Grant, J. Lee, and K. Swan. National Council for the Social Studies, 2018. (with Eva Johnston)

“Invest in Human Capital to Build a Better Future,” a chapter in *Economic Literacy for Life: Today’s Lessons = Tomorrow’s Financial Stability and Success*, Annual Report 2016, Federal Reserve Bank of St. Louis, 2017.

“Math and History Connections for Middle School Economics,” a chapter in *Innovations in Economic Education: Promising Practices for Teachers and Students K-16*. Edited by M.B. Henning. Published by Routledge, 2016. (with Sara Barnett)

“Why Do We Call it The ‘Great’ Depression?” a chapter in *Teaching the C3 Framework: A Guide to Inquiry-Based Instruction in the Social Studies*. Edited by Kathy Swan and John Lee. Published by the National Council for the Social Studies, 2014. (with M. Suiter and B. Flowers)

Book Review, “The Federal Reserve and the Financial Crisis.” Ben S. Bernanke. Princeton: Princeton University Press, 2013. *The Councilor: A Journal for the Social Studies*, Vol. 75, No. 1 (April 2014).

Book Review, "Teaching Economics in Troubled Times: Theory and Practice for Secondary Social Studies." Edited by Mark C. Schug and William C. Wood. New York: Routledge, 2011." *The Councilor: A Journal for the Social Studies*, Vol. 74, No. 1 (April 2013).

*Cobblestone: Discover American History*. Chicago: Carus Publishing, May/June 2011. (Contributing editor with M. Suiter)

***Page One Economics, Federal Reserve Bank of St. Louis***

"How Does the Gig Economy Support Entrepreneurship?" 2024.

"Is College Still Worth the High Price? Weighing Costs and Benefits of Investing in Human Capital," 2023. (with Guillaume Vandenbroucke and Cameron Tucker)

"The Rise (and Fall) of Inflation During the Early 2020s," 2023. (with Jane Ihrig and Kevin Kliesen)

"All About the Business Cycle: Where Do Recessions Come From?" 2023.

"How Federal Reserve Presidents Ensure 'Main Street' is Represented in Monetary Policy," 2022.

"How Does the Fed Use Its Monetary Policy Tools to Influence the Economy?" 2022. (with J. Ihrig)

"The Importance of Diverse Perspectives: Strategies for Supporting Women in Economics," Special Issue: 2022. (with A. Ackley, M. Suiter)

"Automation and the Minimum Wage," 2021.

"Teaching the Linkage Between Banks and the Fed: R.I.P. Money Multiplier," 2021.

"Inflation Expectations, the Phillips Curve, and the Fed's Dual Mandate," 2021.

"Minding the Output Gap: What is the Potential GDP and Why Does it Matter?" 2021.

"Examining the 'Lump of Labor' Fallacy Using a Simple Economic Model," 2020.

"COVID-19's Effects on the Economy and the Fed's Response," 2020. (with J. Ihrig and G. Weinbach)

"The Fed's New Monetary Policy Tools," 2020. (with J. Ihrig)

"Independence, Accountability, and the Federal Reserve System," 2020.

"Making Sense of the National Debt," *Page One Economics*, 2019. (with K. Frerking)

"A New Frontier: Monetary Policy with Ample Reserves," 2019.

"The Economics of Flying: How Competitive are the Friendly Skies?" 2018. (with C. Backus)

"How do Imports Affect GDP?" 2018.

“Bitcoin: Money or Financial Investment?” 2018.

“Will Robots Take Our Jobs?” 2018.

“Does International Trade Create Winners and Losers?” 2017. (with A. Esenther)

“Why Are Some Countries Rich and Others Poor?,” 2017.

“The Economics of Subsidizing Sports Stadiums,” 2017.

“The Productivity Puzzle,” March 2017.

“Education, Income, and Wealth,” 2017.

“International Trade: Making Sense of the Trade Deficit,” 2016.

“International Trade: Why Do People and Nations Trade?,” November 2016.

“Why Is It So Difficult to Buy a High-Quality Used Car?,” 2016.

“Stock Market Investing Strategies: Are You an Active or Passive Investor?,” 2016.

“Making Sense of Unemployment Data,” 2016.

“College: Learning the Skills to Pay the Bills?” 2015.

“What’s in Your Market Basket? Why Your Inflation Rate Might Differ from the Average,” 2015.

“Falling Oil Prices Create Winners and Losers,” 2015.

“Is a Strong Dollar Better than a Weak Dollar?,” 2015.

“Would a Gold Standard Brighten Economic Outcomes?,” 2015.

“Smoothing the Path: Balancing Debt, Income, and Saving for the Future,” 2014.

“Economics and the Environment,” 2014.

“The Economics of Immigration: A Story of Substitutes and Complements,” 2014.

“Would Increasing the Minimum Wage Reduce Poverty?,” 2014.

“The Rising Cost of College: Tuition, Financial Aid, and Price Discrimination,” 2014.

“What are the ‘Ingredients’ for Economic Growth?” 2013.

“GDP: Does it Measure Up?” 2013.

“Money and Inflation: A Functional Relationship,” 2013.

“Invest in Yourself: Applying an Investment Approach to Education Decisions,” 2013.

“Choices are everywhere: Why can’t we just have it all?,” 2013.

## **Newsletters And Blogs**

“Economics and Personal Finance Courses: Complements Not Substitutes,” Open Vault Blog, Federal Reserve Bank of St. Louis, 2022. <https://www.stlouisfed.org/open-vault/2022/oct/economics-personal-finance-are-complements-not-substitutes>

“How Will the Fed Reduce Its Balance Sheet?” Open Vault Blog, Federal Reserve Bank of St. Louis, 2022. (with J. Ihrig) <https://www.stlouisfed.org/open-vault/2022/may/how-will-fed-reduce-balance-sheet>

“The Fed’s Stance on Monetary Policy: Managing Both Sides of the Dual Mandate,” Teaching Resources for Economics at Community Colleges (TRECC) Newsletter; 2022. (with J. Ihrig) [https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc\\_mar2022.pdf](https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc_mar2022.pdf)

“3,2,1...Liftoff. What Does ‘Liftoff’ Really Mean in Fed Policy?” Open Vault Blog, Federal Reserve Bank of St. Louis, 2022. (with J. Ihrig) <https://www.stlouisfed.org/open-vault/2022/feb/what-liftoff-means-in-fed-policy>

“Here’s What the Fed Means by Tapering,” *Open Vault Blog*, Federal Reserve Bank of St. Louis, 2021. (with J. Ihrig) <https://www.stlouisfed.org/open-vault/2021/november/what-fed-tapering-means>

Teaching about New Monetary Policy Tools, *Timely Topics Podcast Series*, Federal Reserve Bank of St. Louis, 2021. (with J. Ihrig)

“Monetary Policy Has Changed, Has Your Instruction?” Teaching Resources for Economics at Community Colleges (TRECC) Newsletter, 2021. (with J. Ihrig) [https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc\\_mar2021\\_2.pdf](https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc_mar2021_2.pdf)

“Visualizing the New Tools of Monetary Policy,” *FRED Blog*, Federal Reserve Bank of St. Louis, 2021. (with J. Ihrig) <https://fredblog.stlouisfed.org/2021/02/visualizing-the-feds-new-monetary-policy-tools/>

“How the Fed Has Responded to the COVID-19 Pandemic” *Open Vault Blog*, Federal Reserve Bank of St. Louis, 2020. (with J. Ihrig and G. Weinbach) <https://www.stlouisfed.org/open-vault/2020/august/fed-response-covid19-pandemic>

“How Does the Fed Influence Interest Rates Using its New Tools?” *Open Vault Blog*, Federal Reserve Bank of St. Louis, 2020. (with J. Ihrig) <https://www.stlouisfed.org/open-vault/2020/august/how-does-fed-influence-interest-rates-using-new-tools>

*Fixing the Textbook Lag with FRED: Monetary Policy in a World of Ample Reserves (Part I),*” FRED Blog, Federal Reserve Bank of St. Louis, 2019.

<https://fredblog.stlouisfed.org/2019/06/fixing-the-textbook-lag-with-fred-part-i/>

*Fixing the Textbook Lag with FRED: Monetary Policy in a World of Ample Reserves (Part II),*” FRED Blog, Federal Reserve Bank of St. Louis, 2019.

<https://fredblog.stlouisfed.org/2019/06/fixing-the-textbook-lag-with-fred-part-ii/>

“Do imports subtract from GDP?” FRED Blog, Federal Reserve Bank of St. Louis, 2018.

<https://fredblog.stlouisfed.org/2018/09/do-imports-subtract-from-gdp/>

## SELECTED TEACHING RESOURCES

### Federal Reserve Bank of St. Louis

*AP Macro Lecture Guide: How the Fed Implements Monetary Policy*, 2024. (with Amanda Geiger)

*How Fed Policy Transmits to the Economy*, 2022. (with J. Ihrig)

*Federal Reserve Monetary Policy Timeline*, FRASER, 2022. (with A. Brennecke and G. Podleski)

*Badging: An Educator’s Guide to Monetary Policy*, 2022.

*Badging: A Citizen’s Guide to Monetary Policy*, 2022.

*Budgeting Basics Digital Badge Program*, 2022. (with M. Suiter)

*GDP and Pizza videos (8 episodes)*, 2022.

*Teaching the New Tools of Monetary Policy - Frequently Asked Questions*, 2022. (with J. Ihrig)

*Long-Run Equilibrium*, an online learning module, 2021. (with A. Caceres-Santamaria)

*Lecture Guide: How the Federal Reserve Implements Monetary Policy*, 2021. (with J. Ihrig)

*The Fed’s New Monetary Policy Tools*, an online learning module, 2021.

*You Don’t Have To Be an Economist To Understand an FOMC Statement*, 2020.

*Comparative Advantage: Trading Pizzas and Brownies*, 2020.

*Teaching Market Structures with a Competitive Gum Market*, 2020.

*The GDP Expenditures Equation: What Is GDP and How Do We Measure It?*, 2019.

*Teaching About Money and Inflation Using a Classroom Inflation Auction*, 2019.

*Using a Structured Minimum Wage Debate in the Economics Classroom*, 2019.

*Is Trade a Zero-Sum Game? The Answer Lies in Candy.* 2019.

*The Castaways Discover GDP*, 2019. (with M. Suiter and G. Fortier)

*Making Personal Finance Decisions* (20 lesson personal finance curriculum), co-editor, published by Minnesota Council on Economic Education and Federal Reserve Bank of St. Louis, 2016.

“The Arsenal of Democracy: The United States in WWII,” 2014.

*The Fed’s Toolbox*, 2014. (with K. Bertelsen and P. Williams)

*Monetary Policy*, an online learning module, 2013. (with B. Flowers and M. Suiter)

*Tax Incidence: An Interactive Whiteboard Lesson*, 2012.

*Constitutionality of a Central Bank*, 2012. (with M. Suiter)

*Supply and Demand*, an online learning module, 2012. (with B. Flowers and M. Suiter)

*The Free Silver Movement and Inflation*, 2012.

*The Illustrated Consumer and Producer Surplus: An Interactive Whiteboard Lesson*, 2012.

*Constitutionality of a Central Bank*, 2012. (with M. Suiter)

*Great Inflation*, an online learning module, 2012.

*Soar to Savings*, an online learning module, 2011.

*In Plain English*, an online learning module, 2011. (with B. Flowers and M. Suiter)

*Great Depression*, an online learning curriculum, 2010. (with B. Flowers and M. Suiter)

*Cards, Cars and Currency*, an online learning curriculum, 2010. (with B. Flowers and C. Rossiter)

*It’s Your Paycheck*, an online learning curriculum, 2010. (with B. Flowers)

***Economic Lowdown Video Series, Federal Reserve Bank of St. Louis***

“Factors of Production,” 2024  
“Price Elasticity of Demand,” 2024.  
“The Fed and the Dual Mandate,” 2022.  
“Two Important Interest Rates in Monetary Policy Implementation,” 2022.  
“Reservation Rate and Arbitrage,” 2022.  
“The Fed in Action,” 2022.  
“There is No Such Thing as a Free Lunch,” 2019.  
“Unemployment,” 2018.  
“Inflation,” 2017.  
“Production Possibilities Frontier,” 2016.  
“Gross Domestic Product (GDP),” 2014.  
“The Circular Flow,” 2013.  
“Externalities,” 2013.  
“The Labor Market,” 2013.  
“Inflation,” 2013.  
“Equilibrium,” 2012.  
“Demand,” 2012.  
“Supply,” 2011.

***Economic Lowdown Podcast Series, Federal Reserve Bank of St. Louis***

“Fiscal Policy,” [Episode 21], 2017.  
“Monetary Policy,” [Episode 20], 2017.  
“Cost of Production,” [Episode 19], 2017. (with Arlington Foster)  
“The Business Cycle,” [Episode 18], 2016.  
“Public Goods,” [Episode 17], 2015. (with Andrew Spewak)  
“Elasticity of Demand,” [Episode 16], 2015.  
“Economic Growth,” [Episode 15], 2014. (with Hope Benefield)  
“Getting ‘Real’ about Interest Rates,” [Episode 14], 2014.  
“Gross Domestic Product,” [Episode 13], 2014.  
“Price Signals,” [Episode 12], 2012.  
“Externalities,” [Episode 11], 2011.  
“The Labor Market,” [Episode 10], 2011.  
“Functions of Money,” [Episode 9], 2011.  
“Market Equilibrium,” [Episode 8], 2011.  
“Supply,” [Episode 7], 2011.  
“Demand,” [Episode 6], 2010.  
“Unemployment,” [Episode 5], 2010.  
“Inflation,” [Episode 4], 2010.  
“The Role of Self-Interest and Competition in a Market Economy,” [Episode 3], 2010.  
“Factors of Production,” [Episode 2], 2010.  
“Opportunity Cost,” [Episode 1], 2010.

## **Teach Economics Podcast Series, Federal Reserve Bank of St. Louis**

Teach Economics: *How Understanding Brain Science Can Help You Teach Economics Teach Economics: How Understanding Brain Science Can Help You Teach Economics*, with Bill Goffe and Andrew Butler, April 11, 2024.

Teach Economics: *The Importance of Teaching Students to “Think Like an Economist”* with Professor Justin Wolfers, December 5, 2023.

## **Council on Economic Education**

“Economic Data Lesson: Nonfarm Payrolls,” *EconEdLink*, 2017.

“Economic Data Lesson: Gross Domestic Product (GDP),” *EconEdLink*, 2017.

“Economic Data Lesson: The Unemployment Rate,” *EconEdLink*, 2017.

“Economic Data Lesson: Inflation,” *EconEdLink*, 2017.

“Economic Data Lesson: Economic Policy Options,” *EconEdLink*, 2017.

*The Fed’s Toolbox*, 2014. *High School Economics*. 3rd edition, New York: Council for Economic Education, 2014. (with Kris Bertelsen and Princeton Williams)

“Financial Literacy: Benefits for the ‘Micro’ and the ‘Macro,’” An invited essay as part of financial literacy month, 2013.

“The 411 on College Education,” *EconEdLink*, 2013.

*Focus: Middle School World History*, 2011. (with W. Bosshardt, T. Ferrarini, D. Haskell, A. Hill, J. Lopus, B. Meszaros, E. Scahill, and P. VanFossen)

## ***Liber8 Economic Information Newsletter Classroom Edition*, Federal Reserve Bank of St. Louis**

“The Output Gap: A ‘Potentially’ Unreliable Measure of Economic Health,” 2012. (with E. Marifian)

“The Great Inflation: A Historical Overview and Lessons Learned,” 2012. (with D. Lopez)

“Higher Gasoline Prices: Temporary or Time to Buy a Hybrid?,” 2012. (with Li Li)

“The Legacy of the Olympics: Economic Burden or Boon?,” 2012. (with L. Ricketts)

“Wait, Is Savings Good or Bad? The Paradox of Thrift,” 2012. (with E. K. Vermann)

“Dewey Defeats Truman’: Be Aware of Data Revisions,” 2012. (with M. Chen)

“Gini in a Bottle: Some Facts on Income Inequality,” 2012. (with D. Lopez)

“Traditional Versus Shadow Banking,” 2012. (with B. Noeth)

“What Do Financial Market Indicators Tell Us?,” 2012. (with L. Zheng)

“Fed Policy Actions During the Great Depression and Great Recession,” 2011. (with D. Lopez)

“Natural Disasters: From Destruction to Recovery,” 2011. (with C. Liborio)

“Time Inconsistency: Today’s Actions = Tomorrow’s Regrets,” 2011. (with K. Vermann)

“Is a College Cap and Gown a Financial Ball and Chain?,” 2011. (with L. Ricketts)

“Financial Regulation: A Primer on the Dodd-Frank Act,” 2011. (with B. Noeth)

“Quantitative Easing Explained,” 2011. (with L. Ricketts)

“Fiscal and Monetary Policy in Times of Crisis,” 2011. (with C. Liborio)

“Deflation: Who Let the Air Out?,” 2011. (with H. El-Ghazaly)

“Financial Crises, Reform, and Central Banking: Establishing the Federal Reserve,” 2011. (with D. Lopez)

**EMC Paradigm Publishing, St. Paul, MN**

*Applying the Principles Workbook*, 2nd edition, 2014 [2006].

*Ticket Scalping and the Inauguration*, an economics current event lesson, 2009.

*Unemployment, Recession and Teens*, an economics current event lesson, 2009.

*Weak Dollar*, an economics current event lesson, 2008.

*Immigration*, an economics current event lesson, 2006.

*Minimum Wage*, an economics current event lesson, 2006.

## SELECTED PRESENTATIONS AT CONFERENCES AND WORKSHOPS

“Change is Hard: Rethinking Teaching on the Connection between Money and Inflation,” AEA Conference on Teaching and Research in Economic Education (CTREE), Atlanta, Georgia, May 30, 2024.

“The Landscape of AP Economics and Alignment with the Profession,” AEA ASSA Conference, San Antonio, Texas, January 7, 2024.

“Teaching Monetary Policy with Ample Reserves” AEA Conference on Teaching and Research in Economic Education (CTREE), Portland, Oregon, June 1, 2023.

“The Tools of Monetary Policy Have Changed. Has Your Instruction?” AEA ASSA Conference, New Orleans, Louisiana, January 7, 2023.

Keynote presentation, “Change is Hard: Rethinking Key Teaching Concepts in Macroeconomics,” Journal of Economics Teaching JET SET Conference, August 2022.

Keynote presentation, “Are Personal Finance and Economics Complements or Substitutes?” Kentucky Jumpstart Awards Dinner, July 2022.

“Assessing the Monetary Policy Curriculum Gap,” AEA Conference on Teaching and Research in Economic Education (CTREE), June 2022.

“Planet Money + Econ Lowdown = Teaching Success,” with Alex Goldmark, executive producer NPR’s *Planet Money*, February 2022.

“Monetary Policy has Changed. Has your Teaching?” Next Gen Personal Finance Featured Speakers Series, January 2022.

“Cognitive Science Teaching Strategies and Literacy-Targeted Economics Complementarities,” ASSA / AEA Conference, January 2022.

“Let’s Close the Gap: Revising Teaching Materials to Reflect How the Federal Reserve Implements Monetary Policy,” Southern Economics Association (SEA) Conference, November 2021.

“Planet Money and Econ Lowdown” Council for Economic Education National Conference, virtual, with Alex Goldmark, September 2021.

“Teaching the New Tools of Monetary Policy,” A webinar produced by Federal Reserve Bank of St. Louis, August 2021. (with J. Ihrig)

“Teaching the New Tools of Monetary Policy,” AEA Conference on Teaching and Research in Economic Education (CTREE), June 2021.

“Cognitive Science Teaching Strategies in Literacy Targeted Economics Courses,” AEA Conference on Teaching and Research in Economic Education (CTREE), June 2021.

“Making Economics Stick through Student Engagement and Assessment,” AEA Conference on Teaching and Research in Economic Education (CTREE), May 2019.

“A Survey of Federal Reserve Economic Education Programs and Resources,” ASSA / AEA) Conference, January 2019.

“An Active Learning Strategy for Improving Instruction in Macroeconomics,” AEA Conference on Teaching and Research in Economic Education (CTREE), May 2018.

"Innovations in Economic Education: Promising Practices for Teachers and Students K-16," Missouri Department of Higher Education Meeting, April 2018.

“The Textbook Treatment of Net Exports: Will the Rational Reader Understand?” The Association of Private Enterprise Education Forty-Third Annual Conference, March 2018.

“Teaching the C3 Framework,” National Council for the Social Studies Annual Conference, November 2017.

“Yours, Mine, and the Truth: Using Debates in the Economics Classroom,” AEA Conference on Teaching and Research in Economic Education (CTREE), May 2017.

“Presidential Economics: Viewing the Past through a Different Lens,” National Council for the Social Studies Annual Conference, December 2016.

Keynote presentation, “What is the Status of Economic Education and Why Should We Care?” American Institute for Economic Research Teach-the-Teachers Initiative, Federal Reserve Bank of Chicago, July 2016.

“Teaching Economics Using Data and Current Topics,” AEA Conference on Teaching and Research in Economic Education (CTREE), June 2016.

“Teaching the History of Women in the Workforce,” National Council for the Social Studies Annual Conference, November 2015.

“Teaching Economics with Current Events in Mind,” Council for Economic Education National Conference, October 2015.

“Teaching the C3 Framework: A Guide to Inquiry Based Instruction in the Social Studies,” NCSS Featured Session, NCSS National Conference, November 2014.

“Investigating Differences in Personal Finance Achievement in Majority Minority High Schools Utilizing Online Learning Modules,” CUFA Graduate Forum Roundtable, Boston, MA, November 2014.

“RePEc in the Classroom,” AEA Conference on Teaching & Research on Economic Education (CTREE), May 2014.

“Teaching Economics Online,” 52nd Annual Winter Institute, St. Cloud State University, St. Cloud, MN, February 2014.

“Enhancing the Common Core: New Videos from the Federal Reserve,” National Council for the Social Studies 93rd Annual Conference, November 2013.

“Teaching the Great Inflation,” Federal Reserve System Professional Development Conference, Federal Reserve Bank of St. Louis, November 2013.

“What is the Economic Forecast? Using FRED and FOMC Resources,” Next Generation Forecast Event, Missouri Economic Forecasting Conference, St. Louis, MO, October 2013.

“FRED and FRASER: Amazing Resources for the Classroom,” 52nd Annual Financial Literacy and Economic Education Conference, Council on Economic Education, October 2013.

“Technology for the Social Studies Classroom,” Independent Schools Association of the Central States (ISACS) Annual Conference, November 2012.

“Differentiated Instruction in the Personal Finance Classroom” Produced as part of the National Business Educators Association (NBEA) 2012 Fall Webinar Series, November 2012.

“Library Created Content for Clients,” Internet Librarian 2012 Conference, Monterey, CA, October 2012.

“FRED (Federal Reserve Economic Data) in the Classroom,” Conference on Teaching Economics and Personal Finance, University of Minnesota - St. Paul, August 2012.

“Constitutionality of a Central Bank,” Conference for System Economic Educators, Federal Reserve Board of Governors, Washington, DC, December 2011.

“Diversify Your Teaching Portfolio: Meeting the Diverse Learning Needs of Your Students,” National Council for the Social Studies 91st Annual Conference, December 2011.

“Myths, Tall Tales, and Urban Legends: Facts Behind the Fed,” 50th Annual Financial Literacy and Economic Education Conference, Council for Economic Education, October 2011.

“Using FRED to Teach Macroeconomics,” Conference on Teaching Economics and Personal Finance, University of Minnesota - St. Paul, August 2011.

“Education Resources from the Federal Reserve Bank of St. Louis,” National Council for the Social Studies 90th Annual Conference, November 2010.

“Time Value of Money,” Conference on Teaching Economics and Personal Finance, University of Minnesota - St. Paul, August 2010.

“The Great Depression,” Economic Forces in American History, Foundation for Teaching Economics, presentation given in five locations: Newark, DE, San Diego, CA, Williamsburg, VA, Boston, MA, Park City, UT, 2010.

“Why People Trade,” Winter Economics Institute, St. Cloud State University, St. Cloud, MN, February 2008.

“The Minimum Wage Debate in the Classroom,” EconFest, Minnesota Council on Economic Education, St. Paul, MN, October 2003.

### SELECTED MEDIA

“Economics Textbooks are Finally Getting a Vital Update,” *New York Times*, January 17, 2024.  
<https://www.nytimes.com/2024/01/17/opinion/economics-textbooks-monetary-policy.html>

“AP Macro gets a makeover,” *The Indicator from Planet Money*, August 2022.  
<https://www.npr.org/2022/08/15/1117599828/ap-macro-gets-a-makeover>

“Efforts to modernise economics teaching are gathering steam,” *The Economist*, March 2021.  
<https://www.economist.com/finance-and-economics/2021/03/20/efforts-to-modernise-economics-teaching-are-gathering-steam>

“The Fed Helps to Spread Financial Literacy to Many,” *Wall Street Journal*, April 2019.  
<https://www.wsj.com/articles/the-fed-helps-to-spread-financial-literacy-to-many-11554327309>

“How Do Nations Get Rich?,” *Business Day* (Patrick Atuanya), February 2019.  
<https://businessday.ng/columnist/patrick-atuanya/article/how-do-nations-get-rich/>

“Why should we care about free trade?” *BBC News* (Karishma Vaswani), November 2017.  
<http://www.bbc.com/news/business-41928831>

“Ahead of Yellen's Teacher Town Hall, a Look at Education Economics,” *Bloomberg* (Jeanna Smialek), January 2017. <https://www.bloomberg.com/news/articles/2017-01-10/ahead-of-yellen-s-teacher-town-hall-a-look-at-education-economics>

“The Importance of Teaching Teachers: Effective teacher training on economics and finance is invaluable to implementation of Fed policy,” by Narayana Kocherlakota, *The Region*, Published by the Federal Reserve Bank of Minneapolis, September 2011. [https://www.minneapolisfed.org/publications/the-region/the-importance-of-teaching-teachers?sc\\_device=Default](https://www.minneapolisfed.org/publications/the-region/the-importance-of-teaching-teachers?sc_device=Default)

“High School Teacher Receives High Recognition,” *Hibbing Daily Tribune*, October 2006.  
[http://www.hibbingmn.com/news/local/high-school-teacher-receives-high-recognition/article\\_0a155659-369c-525a-8f9a-9ff67cc14846.html](http://www.hibbingmn.com/news/local/high-school-teacher-receives-high-recognition/article_0a155659-369c-525a-8f9a-9ff67cc14846.html)

“Economics Team Wins Nationals,” *Hibbing Daily Tribune*, May 2006.

[http://www.hibbingmn.com/news/local/economics-team-wins-nationals/article\\_4a70d1db-2270-5084-895b-d9b7739ea4b8.html](http://www.hibbingmn.com/news/local/economics-team-wins-nationals/article_4a70d1db-2270-5084-895b-d9b7739ea4b8.html)

“Hibbing High School Teacher Takes Top Honors,” *Hibbing Daily Tribune*, April 2006.

[http://www.hibbingmn.com/news/local/hibbing-high-school-teacher-takes-top-honors/article\\_a6d9a943-9384-54f4-b60b-b6abcc39877d.html](http://www.hibbingmn.com/news/local/hibbing-high-school-teacher-takes-top-honors/article_a6d9a943-9384-54f4-b60b-b6abcc39877d.html)

“Hibbing High School Economics Teacher Recognized for Excellence and Innovation,” *Hibbing Daily Tribune*, November 2004. [http://www.hibbingmn.com/news/local/hibbing-high-school-economics-teacher-recognized-for-excellence-and-innovation/article\\_cde1be5f-a6bc-5f46-81c8-f280e66cafab.html](http://www.hibbingmn.com/news/local/hibbing-high-school-economics-teacher-recognized-for-excellence-and-innovation/article_cde1be5f-a6bc-5f46-81c8-f280e66cafab.html)

Hibbing Teacher Honored for Lessons on Economics, Personal Finance. *Hibbing Daily Tribune*, November 2003. [http://www.hibbingmn.com/news/local/hibbing-teacher-honored-for-lessons-on-economics-personal-finance/article\\_ebb66082-448a-5a95-a310-7375d2bb0e93.html](http://www.hibbingmn.com/news/local/hibbing-teacher-honored-for-lessons-on-economics-personal-finance/article_ebb66082-448a-5a95-a310-7375d2bb0e93.html)

## PROFESSIONAL SERVICE

**Referee**, *Journal of Economic Education*, *Quarterly Review of Economics and Finance*, *Social Studies Research and Practice*, *The American Economist*, *Georgia Social Studies Journal*, National Council for the Social Studies (NCSS), College and University Faculty Assembly (CUFA), Council for Economic Education (CEE).

### **Professional Service (continued)**

*Social Studies Research and Practice*, Advisory Board, 2020 – 2023

National Association of Economic Educators Professional Development Committee, 2016 – present  
St. Louis Regional Unbanked Task Force, 2015 - 2018.

Supporting Two-year College Economics Faculty, National Science Foundation, 2017

Federal Reserve Economic Education Professional Development Committee, 2014 – 2024.

National Association of Economic Educators Publications Committee, 2011- 2015

Federal Reserve System Economic Education Technology Committee, 2010- 2014