**CURRICULUM VITAE**

|  |
| --- |
| Martin Shields |

C-323 Clark Building

Martin.shields@colostate.edu

**EDUCATION**

1998 Ph D, University of Wisconsin

1991 MS, The Pennsylvania State University

1989 BA, Michigan State University

**ACADEMIC POSITIONS**

August 15, 2006 - Present Associate/Full Professor, Economics, Colorado State University.

March 1998-August 2016. Associate/Assistant Professor, Agricultural Economics and Rural Sociology, The Pennsylvania State University.

**CURRENT JOB DESCRIPTION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 50 | % Teaching | 40 | % Research | 10 | % Service |

**PUBLISHED WORKS (Since 2012)**

Refereed

Hartman, B., Cutler, H., Shields, M., & Turner, D. (2021). “The economic effects of improved precipitation forecasts in the United States due to better commuting decisions.” Growth and Change, 52(4), 2149-2171.

Nofal, Omar M., John W. van de Lindt, Harvey Cutler, Martin Shields, and Kevin Crofton. (2021). “Modeling the Impact of Building-Level Flood Mitigation Measures Made Possible by Early Flood Warnings on Community-Level Flood Loss Reduction.” Buildings 11(10):475.

Attary, N., Cutler, H., Shields, M., van de Lindt, J. W. (2020). The economic effects of financial relief delays following a natural disaster. *Economic Systems Research*.

Schultz, R., Shields, M., Weiler, S. A. (2019). The Effects of Undocumented Immigrants on the Employment Outcomes of Low-Skill Natives in the United States. *Review of Regional Studies*.

Cutler, H., Shields, M., Davies, S. P. (2018). Can State Tax Policy Increase Economic Activity and Reduce Inequality? *Growth & Change/Wiley Periodicals, 49*(1), 142-164.

Hoy, K. A., Kelsey, T. W., Shields, M. (2017). An Economic Impact Report of Shale Gas Extraction in Pennsylvania with Stricter Assumptions. *Ecological Economics, 138*, 178-185.

Cutler, H., Shields, M., Tavani, D., Zahran, S. J. (2016). Integrating engineering outputs from natural disaster models into a dynamic spatial computable general equilibrium model of Centerville. *Sustainable and Resilient Infrastructure, 1*(3-4), 169-187.

Cutler, H., Pena, A. A., Shields, M. (2014). Hispanics and the Great Recession: Differences in Unemployment Rate Duration by Ethnicity and Race 2003-2010. *Hispanics in the U.S. Labor Market: Selected Research*.: Information Age Press.

Jianakoplos, N., Shields, M. (2012). Practice or Profits: Does the NFL Preseason Matter? *Journal of Sports Economics, 13*(4), 451–465., Not Peer Reviewed/Refereed

Research Reports

Keyser, D., H. Cutler, A. Rose, D. Wei, and M. Shields. 2021. “Chapter 11: Economic Impacts and Jobs.” In The Los Angeles 100% Renewable Energy Study, J. Cochran and P. Denholm (eds.). Golden, CO: National Renewable Energy Laboratory. NREL/TP-6A20-79444-11. https://www.nrel.gov/docs/fy21osti/79444-11.pdf

Shields, M., H. Cutler, K. Crofton, H. Jeon and T. Lu. 2021. “Bouncing Forward after Covid19: An analysis of the labor market effects of Covid-19 in Larimer County and future opportunities.” 88 pages.

Hill, R., Shields, M., Cutler, H. (2020). *Economic Contribution of Colorado State University*.: Colorado State University.

Hill, R., Shields, M., Cutler, H. (2017). *Economic Contribution of Colorado State University*.: Colorado State University.

**CONTRACTS & GRANTS**

July 1, 2018 to June 30, 2020, "Estimating the Economic Value of Improved Weather Forecasts Resulting from NOAA - GSD Research and Technology Transfer", Hill, R. L. (PI), Cutler, H. (CoPI), Shields, M. (CoPI), DOC-NOAA-Natl Oceanic and Atmospheric Admn, $221,845.00.

February 1, 2015 to July 31, 2020, "Center for Risk-Based Community Resilience Planning", Ellingwood, B. (CoPI), Tavani, D., Cutler, H., Mahmoud, H. N., van de Lindt, J. W. (PI), Chen, S., Shields, M., Zahran, S. J. (CoPI), DOC-NIST-Nat. Inst. Standards and Tech., $18,659,175.18.

February 28, 2014 to July 15, 2015, "Economic Impacts of Recreational Angling on the Ruedi Reservoir and Lower Fryingpan River", Loomis, J. B. (CoPI), Shields, M. (PI), Roaring Fork Conservancy, $34,000.00.

**OTHER ACTIVITIES – RESEARCH**

NIST Resilience Center, The Center of Excellence of the NIST funds a research grant that studies the resilience of local communities to natural hazards. As a member of the Economics Team, we conducted an extensive data collection effort designed to build a CGE model to appropriately study how local stakeholders react to natural disasters and adopt built-in mechanisms that would mitigate the adverse effects of such unexpected hazardous events.

**PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS**

Park, H., H. Cutler, B. Hartman, T. Lu, M. Shields and D. Turner. “Estimating the Economic Impacts of Cost Savings in Electricity Generation due to Improved Windspeed Forecasts.” NARSC meetings, Denver CO, Nov 10-13, 2021.

November 7, 2018, "Modeling the Impacts of an Earthquake using a Spatial CGE Model", North American Regional Science Council, Conference

November 9, 2017, "The Economic Effects of Waiting for Financial Relief after a Natural Disaster", Vancouver, Conference, Accepted

April 19, 2017, "Regional Economic Health Care Trends", Poudre Valley Health Board Meeting, Poudre Valley Health Care System, Session

February 3, 2017, "Regional Economic Outlook", Public Sector Seminar, Rubin Brown, Conference

November 5, 2016, (Presenter) Shields, M., Davis, J. W., Tavani, D., Zahran, S. J., "Economic Effects of Disasters: A Tour of Data and Three Econometric Illustrations", NIST All-center Meeting, National Institute for Standards and Technology, Conference, Invited

***Evidence of Teaching and Advising EffectivenesS***

TEACHING:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Semester** | **Course No./Title** | **Cr. Hrs.** | **Enrollment** |
| 2021 | Fall | Econ 306 | 3 | 36 |
| 2021 | Fall | Econ 563 | 3 | 5 |
| 2021 | Spring | ECON410 - Labor Economics | 3 | 39 |
| 2021 | Spring | ECON492 - Seminar | 3 | 23 |
| 2020 | Fall | ECON306 - Intermediate Microeconomics | 3 | 40 |
| 2020 | Fall | ECON306 - Intermediate Microeconomics | 3 | 33 |
| 2020 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 37 |
| 2020 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 37 |
| 2020 | Spring | ECON306 - Intermediate Microeconomics | 3 | 86 |
| 2020 | Spring | ECON492 - Seminar | 3 | 21 |
| 2019 | Fall | ECON306 - Intermediate Microeconomics | 3 | 45 |
| 2019 | Fall | AREC563 - Regional Economics-Theory, Methods, and Issues | 3 | 4 |
| 2019 | Fall | ECON563 - Regional Economics-Theory, Methods, and Issues | 3 | 11 |
| 2019 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 17 |
| 2019 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 17 |
| 2019 | Spring | BUS635 - Business Economics for the World Market | 2 | 13 |
| 2019 | Spring | BUS635 - Business Economics for the World Market | 2 | 2 |
| 2019 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors | 3 | 15 |
| 2019 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors Recitation | 0 | 15 |
| 2019 | Spring | ECON492 - Seminar | 3 | 24 |
| 2018 | Fall | ECON306 - Intermediate Microeconomics | 3 | 41 |
| 2018 | Fall | ECON306 - Intermediate Microeconomics | 3 | 38 |
| 2018 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 21 |
| 2018 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 21 |
| 2018 | Spring | BUS635 - Business Economics for the World Market | 2 | 8 |
| 2018 | Spring | BUS635 - Business Economics for the World Market | 2 | 5 |
| 2018 | Spring | ECON306 - Intermediate Microeconomics | 3 | 77 |
| 2018 | Spring | ECON306 - Intermediate Microeconomics | 3 | 40 |
| 2017 | Fall | ECON410 - Labor Economics | 3 | 12 |
| 2017 | Fall | AREC563 - Regional Economics-Theory, Methods, and Issues | 3 | 1 |
| 2017 | Fall | ECON563 - Regional Economics-Theory, Methods, and Issues | 3 | 7 |
| 2017 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 20 |
| 2017 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 20 |
| 2017 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 19 |
| 2017 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors | 3 | 19 |
| 2017 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors Recitation | 0 | 19 |
| 2016 | Fall | ECON410 - Labor Economics | 3 | 26 |
| 2016 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 36 |
| 2016 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 36 |
| 2016 | Spring | BUS635 - Business Economics for the World Market | 2 | 8 |
| 2016 | Spring | BUS635 - Business Economics for the World Market | 2 | 0 |
| 2016 | Spring | ECON492 - Seminar | 3 | 24 |
| 2016 | Spring | ECON492 - Seminar | 3 | 16 |
| 2015 | Fall | ECON320 - Economics of Public Finance | 3 | 40 |
| 2015 | Fall | ECON320 - Economics of Public Finance | 3 | 38 |
| 2015 | Fall | ECON484 - Supervised College Teaching | 3 | 3 |
| 2015 | Spring | BUS635 - Business Economics for the World Market | 2 | 1 |
| 2015 | Spring | BUS635 - Business Economics for the World Market | 2 | 15 |
| 2014 | Fall | ECON320 - Economics of Public Finance | 3 | 40 |
| 2014 | Fall | ECON320 - Economics of Public Finance | 3 | 39 |
| 2014 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 19 |
| 2014 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 19 |
| 2014 | Spring | ECON304 - Intermediate Macroeconomics | 3 | 25 |
| 2013 | Fall | ECON304 - Intermediate Macroeconomics | 3 | 39 |
| 2013 | Fall | AREC563 - Regional Economics-Theory, Methods, and Issues | 3 | 4 |
| 2013 | Fall | ECON563 - Regional Economics-Theory, Methods, and Issues | 3 | 6 |
| 2013 | Fall | ECON484 - Supervised College Teaching | 3 | 6 |
| 2013 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 35 |
| 2013 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 35 |
| 2013 | Spring | ECON304 - Intermediate Macroeconomics | 3 | 42 |
| 2013 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors | 3 | 16 |
| 2013 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors Recitation | 0 | 16 |
| 2013 | Spring | ECON484 - Supervised College Teaching | 3 | 7 |
| 2012 | Fall | ECON410 - Labor Economics | 3 | 39 |
| 2012 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 31 |
| 2012 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 31 |
| 2012 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors | 3 | 21 |
| 2012 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors Recitation | 0 | 21 |
| 2011 | Fall | AREC563 - Regional Economics-Theory, Methods, and Issues | 3 | 4 |
| 2011 | Fall | ECON563 - Regional Economics-Theory, Methods, and Issues | 3 | 18 |
| 2011 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 29 |
| 2011 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 29 |
| 2011 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors | 3 | 15 |
| 2011 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors Recitation | 0 | 15 |
| 2010 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 31 |
| 2010 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 31 |
| 2010 | Spring | ECON487 - Internship | 3 | 2 |
| 2010 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 19 |
| 2010 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors | 3 | 14 |
| 2010 | Spring | ECON204 - Principles of Macroeconomics (GT-SS1) - Honors Recitation | 0 | 14 |
| 2009 | Fall | ECON487 - Internship | 3 | 1 |
| 2009 | Fall | ECON563 - Regional Economics-Theory, Methods, and Issues | 3 | 11 |
| 2009 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) | 3 | 21 |
| 2009 | Summer | ECON204 - Principles of Macroeconomics (GT-SS1) -Recitation | 0 | 21 |
| 2008 | Fall | ECON410 - Labor Economics | 3 | 14 |
| 2008 | Fall | ECON563 - Regional Economics-Theory, Methods, and Issues | 3 | 7 |
| 2008 | Summer | ECON410 - Labor Economics | 3 | 7 |

**STUDENT ADVISING/GRADUATE SUPERVISION**

**GRADUATE STUDENTS**:

Current Graduate Advisees:

Schoenbacher, Justine (Master of Science)

Hartman, Bradley (Doctor of Philosophy)

Crofton, Kevin (Doctor of Philosophy), August 6, 2021

Kishore, Siddharth (Doctor of Philosophy)

Jeon, Hwayoung (Doctor of Philosophy), May 15, 2021

**COMMITTEES**

* + CLA Curriculum Committee (Fall 2021)
  + Strategic and Financial Planning, Committee Member, (September 2018 - Present).
  + Faculty Awards Committee (January 1, 2017 - December 31, 2019).
  + Undergraduate committee, Committee Member, (July 1, 2013 - Present).
  + Tenure & Promotion, Committee Member, (August 2006 - Present).

**PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

* + North American Regional Science Council. (January 1, 2006 - Present).
  + Channel 7 News, Interview about Amazon potentially locating in CO.
  + Colorado Public Radio and National Public Radio, Interview about potential economic impacts of Amazon. Story was picked up by NPR.
  + The Denver Post, interviewed in multiple stories about state economy.
  + The Coloradoan, interviewed for multiple stories about the regional economy.
  + Track Organizer, North American Regional Science Council, Vancouver, BC. (May 2017 - November 2017).
  + Reviewer, Journal Article, Growth and Change. (January 2016 - December 2016).
  + Reviewer, Journal Article, Sustainable and Resilient Infrastructure. (January 2016 - December 2016).

**OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH**

* + Government, Larimer County Workforce Center, Fort Collins, CO, United States. (November 1, 2020 - February 28, 2021).
  + Non-profit research agency, National Renewable Energy Laboratory, Golden, CO, United States. (August 15, 2018 - January 31, 2020).
  + Non-profit utility, Platte River Power Authority, FORT COLLINS, CO, United States. (October 1, 2018 - January 31, 2019).
  + Non-Governmental Organization (NGO), Fort Collins Chamber of Commerce, Fort Collins, CO, United States. (July 1, 2016 - September 1, 2016).
  + Non-Governmental Organization (NGO), LaPlata County Economic Development Corporation, Durango, CO, United States. (March 1, 2016 - June 1, 2016).
  + Committee Member, City of Fort Collins--City Planning Group: Housing and Economy, Fort Collins, CO. (January 1, 2018 - 2019).