

**S. Aun Hassan, Ph.D.**  
Professor  
Hasan School of Business  
Colorado State University - Pueblo  
Pueblo, CO 81001

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### **Education**

Ph.D. (Economics), Texas Tech University, 2005

**Dissertation:**

“Essays in Applied Financial Economics”

*Advisor:* Thomas L. Steinmeier

**Areas of Specialization:**

Applied Time Series Econometrics, Financial Economics, and Applied Macroeconomics

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### **Professional Experience**

Professor, Hasan School of Business, Colorado State University – Pueblo, Pueblo, CO. August 2021 – present. Undergraduate Courses Taught: Principles of Finance, Principles of Macroeconomics, Principles of Microeconomics, and Money and Banking. Graduate Course(s) Taught: Economics for Managers.

Associate Professor of Economics, Hasan School of Business, Colorado State University – Pueblo, Pueblo, CO. August 2013 – July 2021. Undergraduate Courses Taught: Principles of Finance, Principles of Macroeconomics, Principles of Microeconomics, Financial Markets and Institutions, and Money and Banking. Graduate Course(s) Taught: Economics for Managers.

Area Coordinator for Accounting, Economics and Finance, Hasan School of Business, Colorado State University – Pueblo, Pueblo, CO. July 2015 to June 2019.

Assistant Professor of Economics, Hasan School of Business, Colorado State University – Pueblo, Pueblo, CO. August 2009 – July 2013. Undergraduate Courses Taught: Principles of Macroeconomics, Principles of Microeconomics, and Money and Banking. Graduate Course(s) Taught: Economics for Managers.

Assistant Professor of Economics, Morningside College, Sioux City, IA. August 2006- May 2009  
Courses Taught: Elementary Probability & Statistics, Securities & Investments, Principles of Corporate Finance, Advanced Managerial Finance, Principles of Economics, International Economics and Finance, and Money and Banking

Visiting Assistant Professor of Economics, Texas Tech University, Lubbock, TX. January 2005-May 2006. Courses Taught: Managerial Economics and Principles of Economics

Graduate Part-time Instructor, Texas Tech University, Lubbock, TX. September 2001- December 2004. Courses Independently Taught: Principles of Macroeconomics, Principles of Microeconomics, and Principles of Economics

Research Assistant, Department of Health Services Research and Management, Texas Tech University Health Sciences Center, Lubbock, TX. January 2001-August 2001. Responsibilities include management of large data sets and statistical analysis related to the study of Health-Care Economics

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### **Research and Professional Development**

#### **Refereed Publications:**

“Asymmetry and Persistence in Returns Volatility of Commodity Futures”, *Journal of International Business and Economics*, Vol. 22, Number 3, December 2022

“A Study of Variance of Taiwan and South Korean Stock Indexes”, *Journal of International Finance and Economics*, Vol. 19, Number 4, December 2019

"Capturing the Asymmetric Impact of Negative versus Positive Shocks to Volatility of a Major Index", *Journal of International Finance and Economics*, Vol. 18, Number 4, December 2018

“A Time Series Analysis of Major Indexes Using GARCH Model with Regime Shifts” *International Journal of Financial Research*, Vol. 8, No. 4, October 2017

“Renewable energy resources – an analysis from the Rocky Mountains” *Research in Business and Economics Journal*, Vol. 11, fall 2016

“The Impact of Oil Price Fluctuations on Automobile Industry” with Ahmad Ahmadian and Hailu Regassa, *International Journal of Business and Economic Perspectives*; Vol. 8, No. 2, winter 2013

“Persistence and Asymmetry in Exchange Rate Volatility” *International Business and Economics Research Journal*; Vol. 11, No. 9, September 2012

“Asymmetric behavior of volatility in gasoline prices across different regions of the United States” with Hailu Regassa, *Journal of Finance and Accountancy*; Vol. 10, July 2012

“Modeling Asymmetric Volatility in Oil Prices” *The Journal of Applied Business Research*; Volume 27, Number 3, May/June 2011.

"Multivariate GARCH Model of Sector Volatility Transmission," with Farooq Malik, *Quarterly Review of Economics and Finance*, July 2007, Vol. 47, No. 3, pp. 470- 480

"Modeling Volatility in Sector Index Returns with GARCH Models using an Iterated Algorithm," with Farooq Malik, *Journal of Economics and Finance* Vol. 28, No. 2, Summer 2004, pp. 211- 225

**Refereed Proceeding(s):**

"Asymmetry and Persistence in Returns Volatility of Commodity Futures", *International Academy of Business and Economics* Las Vegas Conference Proceedings, Volume 22, Number 4, 2022

"Alternative Energy Resources in The Us" *International Academy of Business and Economics* (IABE) 2015 San Francisco Conference Proceedings, Volume 15, Number 4, 2015

**Economic Impact Study:**

"Economic Impact of Adult Use Retail Cannabis in Pueblo County," Fall 2017

**Conference Presentations:**

"Asymmetry and Persistence in Returns Volatility of Commodity Futures", *International Academy of Business and Economics* conference at Las Vegas, Nevada, December 16-17, 2022

"A Study of Volatility in Exchange Rates", *Academy of Economics and Finance* conference, Online, on February 11, 2021

"Estimating the Conditional Variance of Taiwan and South Korean Stock Indexes ", *Academy of Economics and Finance* conference, Atlanta, GA, on February 6, 2020

"A Comparison of the Asymmetric Behavior of Two Asian Indexes with Dow Jones Industrial Averages", *Academy of Economics and Finance* conference, Atlanta, GA, on February 7, 2020

"Analyzing the Behavior of Major Asian Indexes", *International Academy of Business and Economics* conference, Las Vegas, NV, December 2018

"Capturing the Asymmetric Impact of Negative versus Positive Shocks to Volatility of a Major Index", *International Academy of Business and Economics* conference, Las Vegas, NV, December 2018

"Analyzing Asymmetric Volatility in S&P 500 Index" Winter Business Research Conference, Imperial College, London, United Kingdom, December 2017

"A Study of the Behavior of Three Major Markets" Academic and Business Research conference St. Louis, MO, October 2017

"Analyzing Asymmetric Volatility in S&P 500 Index" Academic and Business Research conference St. Louis, MO, October 2017

"Alternative Energy Resources in the Us" *International Academy of Business and Economics* (IABE) San Francisco, CA conference, December 2015

"The Impact of Oil Price Fluctuations on the Automobile Industry" with Ahmad Ahmadian, at *The International Academy of Business and Public Administration Disciplines* (IABPAD) conference in Las Vegas, NV, October 2012

"Volatility in Gasoline Prices: A Study of Different US Regions Using a GARCH Model" at the *Academy of Economics and Finance* conference in Charleston, SC, February, 2012

"Persistence and Asymmetry in Exchange Rate Volatility" at the *Academy of Economics and Finance* conference in Jacksonville, FL, October 2011

"Modeling Asymmetric Volatility in Oil Prices" presented at *Academy of Economics and Finance conference*, Pensacola, Florida, February 2009

"Multivariate GARCH Model of Sector Volatility Transmission" presented at *Applied Business Research Conference*, Orlando, Florida, January 2006

"Volatility Transmission & Structural Breaks in Variance for Sector Indexes" presented at *Southern Economic Association conference*, Washington D.C., November 2005

**Working paper(s):**

"Volatility Persistence in Oil and Natural Gas prices and their Impact on Stock Markets"

**Work in Progress:**

"Volatility in Oil Prices and its Impact on the US Economy"

**Other Professional Development Activities:**

AACSB Conference on Accreditation Process in Minneapolis, MN, September 2016

**Conference Session as Chair/Discussant:**

Chaired two sessions at the Academy of Economics and Finance Conference in Atlanta GA, February 5-7, 2020.

Hosted/Moderated a session at the Annual Institute of Cannabis Research Conference in April 2017

Chaired a conference session at the Academy of Economics and Finance conference in Pensacola, Florida and led a general discussion on three separate papers on Macroeconomic Shocks and Volatility in February 2009

**Teaching Workshops/Symposium:**

Attended EconEd conference hosted by Worth (MacMillan) Publishers at Metropolitan State University, Denver CO on October 3, 2014

Attended a teaching workshop at the *Academy of Economics and Finance* conference at Charleston, SC in February, 2012

Attended the *American Economic Association* annual conference to participate in the teaching and research workshops in San Francisco, CA – January 2009

Attended the *American Economic Association* annual conference to participate in the teaching and research workshops in New Orleans, LA – January 2008

Participated in the *Irwin McGraw Hill* teaching symposium at Boulder, Colorado, April 6-9, 2006

Attended the *American Economic Association* annual conference to participate in the teaching and research workshops in Boston, Massachusetts, January 2006

Attended the *American Economic Association* annual conference to participate in the teaching and research workshops in Philadelphia, Pennsylvania, January 2005

**Other Scholarly Activity:**

Presented a synopsis of my working research at the CSU-Pueblo Faculty Academy, March 6, 2020

Reviewed a paper for the *Research in Business and Economics Journal*, August 2017

Completely Rewrote Econ 202 - Principles of Microeconomics course lectures with new examples and models/graphs to be used in a hybrid format, summer 2016

Reviewed a paper for the *Research in Business and Economics Journal*, April 2016

Served as Reviewer for the following Journals:

*Journal of Reviews on Global Economics*

*Research in Business and Economics Journal*

Textbook reviewer for Prentice Hall

Textbook reviewer for McGraw-Hill Irwin

**Professional Affiliations:**

Economics Bulletin

Journal of International Finance and Economics

Eastern Economic Association

American Economic Association

Academy of Economics and Finance

Journal of Reviews on Global Economics

**Awards:**

Outstanding HSB Faculty Award – 2019-2020

Dean's Award for Excellence in Research – 2020

Dean's Award for Excellence in Service - 2019

**Grants:**

Summer Research Grant, awarded by HSB Dean, May 2023

Summer Research Grant, awarded by HSB Dean, May 2022

Summer Research Grant, awarded by HSB Dean, May 2021

Summer Research Grant, awarded by HSB Dean, May 2020

Faculty Development Grant from CSU Pueblo Provost's office, October 2019

Summer Research Grant, awarded by HSB Dean, May 2019

Summer Research Grant, awarded by HSB Dean, May 2018

CSU - Pueblo Provost Grant, awarded in spring 2017

Summer Research Grant, awarded by HSB Dean, May 2017

Summer Research Grant, awarded by HSB Dean, May 2016

CSU - Pueblo Provost Grant, awarded in spring 2016

Summer Research Grant, awarded by HSB Dean, May 2014

CSU - Pueblo Provost Grant, awarded in spring 2012

CSU - Pueblo Provost Grant, awarded in spring 2011

CSU - Pueblo Provost Grant, awarded in spring 2010

Academic scholarship, Department of Economics, Texas Tech University (Fall 2000)

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### **Service to the University**

Member, Personnel Review Committee (PRC) August 2022 - present

Co-chair, Personnel Review Committee (PRC) August 2021 – May 2022

Member, Academic Affairs Enhancement Committee, August 2022 – present

Member, Faculty Disciplinary Action Board, August 2022 – present

Member, Institutional Effectiveness Committee, August 2022 - present

Member, Management Faculty Position, Search and Screening Committee, fall 2022 – spring 2023

Assessor, Assurance of Learning Committee, spring 2022

Member, General Education Board Advisory Committee, spring 2021

Member, Personnel Review Committee (PRC) August 2020 – May 2021

Member, HSB Curriculum Committee, August 2019 – May 2021

Chair, Personnel Review Committee (PRC) August 2019 – May 2020

Co-chair, School of Business, Assurance of Learning (AOL) Committee, August 2018 – June 2019

Area Coordinator for Accounting, Economics and Finance, August 2018 – June 2019

Area Coordinator for Accounting, Economics and Finance, August 2015 – December 2017

Member, HSB Assurance of Learning (AOL) Committee, August 2015 – December 2017

Reviewer: Assess for Success - Annual Review of Academic Program Assessment Reports (HLC Review Process), June 2016

Member, Ad hoc committee to revise the HSB mission statement, August 2015 – May 2016

Member, HSB Personnel Review Committee (PRC), August 2015 – July 2016

Member, Marketing Search and Screening Committee, spring 2016

Co-chair, Committee on Shared Governance, January 2015 – August 2015

Member, Graduate Committee, Hasan School of Business, October 2010 - August 2016

Co-chair, Graduate Committee, Hasan School of Business, fall 2012 – spring 2013

Member, Committee on Shared Governance, August 2012 – May 2014

Primary Adviser, SIFE (Students in Free Enterprise) now known as ENACTUS, fall 2012 – December 2013

Member, Faculty Senate, August 2012 – May 2014

Member, University Board on Diversity and Equality, August 2012 – December 2013

Member, Faculty Policies and Procedures Committee, August 2011 – August 2012

Served on the curriculum revision committee to assist the department chair in revising the Department of Business and Economics curriculum, Morningside College, fall 2007 & spring 2008

Special lectures on Economic issues to student groups organized by Prof. Bruce Forbes, Prof. Doug Livermore, and Prof. Patrick McKinlay at Morningside College, fall 2007 & spring 2008

Designed and developed the webpage for the Department of Business Administration and Economics, Morningside College – fall 2007

### **Service to the Community:**

Revised the GT-Pathways for Econ 202 and updated the Student Learning Outcomes to meet the current requirements by the Higher Learning Commission, Spring 2022

Interviewed by the KOAA News 5 regarding the fluctuations in gasoline prices in Southern Colorado, August 3, 2022. See documentation: <https://www.koaa.com/news/covering-colorado/pueblo-gas-prices-dropping-around-town-will-the-trend-continue>

Interview with KOAA News5 reporter regarding grocery prices during Covid-19, July 20, 2020. See documentation: <https://www.koaa.com/rebound/groceries-cost-more-during-covid-19-but-you-can-still-save-money>

Volunteered at Colorado Springs School District-20 Elementary Schools by helping students with Mathematical problem solving and Writing skills, August 2018 - present

Reviewer for Economics Bulletin, 2020 - present



Presented a lecture on “Economics and Social Responsibility” at the 20/20 Lecture Series in the Library Center, April 2012

Volunteered to serve as Judge on a committee to choose a team for the “Outstanding Team Award”; the award was given to the Graduate Program at the Nursing Department, April 2012

Presented a lecture on “Economics and Social Responsibility” at the 20/20 Lecture Series in the Library Center, April 2012

Volunteered to serve as Judge on a committee to choose a team for the “Outstanding Team Award”; the award was given to the Graduate Program at the Nursing Department, April 2012

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### **Technical Skills**

#### **Skills:**

Platforms: Windows and MacOS

Statistical Packages: Stata, SAS, RATS, and Eviews

Tools: Visual Basic, UNIX, HTML, Microsoft Office Suite