# JOHNNY SNYDER

Colorado Mesa University • Davis School of Business
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## ***Educational History:***

M.S. March 2005; Nova Southeastern University, Ft. Lauderdale, Florida 33329; Computer Information Systems

Ph.D. August 1999; University of New Mexico, Albuquerque, New Mexico 87131; Applied Mathematics; Dissertation: "A Mathematical Analysis of Induced Defenses in a Plant-Herbivore System," Advisor: Dr. Deborah Sulsky

M.A. August 1991; University of New Mexico, Albuquerque, New Mexico 87131; Applied Mathematics

B.A. April 1988; Fort Lewis College, Durango, Colorado 81302; Major: Mathematics; Minor: Computer Science Advisor: Dr. Richard Gibbs

## ***Employment History:***

Professor: 2010 – present; Davis School of Business, Computer Information Systems and Business Analytics, Colorado Mesa University (formally Mesa State College), Grand Junction, Colorado 81501

Associate Professor: 2005 – 2010; Department of Business, Computer Information Systems, Mesa State College, Grand Junction, Colorado 81501

Associate Professor and Chair: 2003-2005; Department of Mathematics and Computer Science, Department of Business, Sul Ross State University, Alpine, Texas 79832 and Universidad Autónoma de Chihuahua, Chihuahua, Mexico

Assistant Professor: 1999-2003; Department of Mathematics and Computer Science; Sul Ross State University, Alpine, Texas 79832

Assistant Professor: 1998-1999; Department of Mathematics and Computer Science; Pacific University, Forest Grove, Oregon 97116

Faculty: 1994-1999; Department of Continuing Education; University of New Mexico, Albuquerque, New Mexico 87131

Teaching Assistant: 1988-94 and 1997-98 Department of Mathematics and Statistics; University of New Mexico, Albuquerque, New Mexico 87131

Adjunct Faculty: 1994-1997; Southwestern Indian Polytechnic Institute, Albuquerque, New Mexico 87121

Part-Time Instructor: 1994-1997; Department of Mathematics and Statistics, University of New Mexico, Albuquerque, New Mexico 87131

Graduate Assistant: 1994-1996; Minority Engineering Programs, College of Engineering; University of New Mexico, Albuquerque, New Mexico 87131

## ***Other Employment:***

From 1977 to 1988 positions included retail salesperson, ski rental and repair shop employee and assistant manager, ski lift operator and ski patrol, warehouse work (shipping/receiving), construction trades and remodel work, restaurant and kitchen work.

## ***Teaching:***

## ***Master's Committees/Advisement:***

Megan Lewin (MBA), 2018
Factors Influencing Intention to Choose a Business Analytics Program
Leland Byers (MBA), 2011
Fighting Monsters, and Being Taxed for it? A Look at Possible Government Taxation in Virtual Worlds
Justin Kawcak (MBA), 2011
How Admissions Offices in Colorado are Using Social Media
Bill Adams (Natural Resource Management), 2002
A Kill Rate Model for Texas Mountain Lions (MS Thesis)
Lynn Cassell (Biology), 2002
Analysis of Vocalizations of Lilian's Race of the Eastern Meadowlark (*Sturnella magna lilianae*) in West Texas (MS Thesis)

## ***Bachelor's Advisement/Senior Project Direction /Student Project Advisement:***

Student Showcase, Spring 2024 (AACSB OIC T&L)
Sponsored **eight teams** (34 students) in two tracks (Business Analytics and Issues in Business tracks). Team Plastic Pollution won the "**Best in Track**" award for Business Analytics, while Team TLC won "**Best in Track**" in the Issues in Business track.
InnovateCO, Spring 2023 (AACSB OIC Applied)
Mentored two teams to the statewide finals for this public data competition
**Team Colorado in a Drier Future – First Place ($7500 prize)**
**Team EV – Third Place ($2500 prize)**
Student Showcase, Spring 2023 (AACSB OIC T&L)
Sponsored **eight teams** in track 4B to include the **"Best in Track"** winner
USITCC in Dallas, TX, Spring 2023 (AACSB OIC T&L)

Mentored Chelsie Roth and Myrisa Mitchell (CISB and Business Analytics)
***First Place, Microsoft Office Solutions**

GoCodeColorado, Spring 2022 (AACSB OIC Applied)
**Supervised two student teams who qualified into the Statewide Finals**
**The teams placed as:**
**HealthCares – First Place ($25,000 prize)**
**PPP Professor – Did not Place**

Student Showcase, Spring 2022 (AACSB OIC T&L)
Sponsored four teams in the Analysis track (3B)

Student Showcase, Spring 2021 (AACSB OIC T&L)
Sponsored four teams in the Analytics track

GoCodeColorado, Spring 2021 (AACSB OIC Applied)
**Supervised four student teams who qualified into the Statewide Finals**
**The teams placed as:**
**Mavucation – 3rd place ($5,000 prize)**
**WhoCares – 2nd place ($10,000 prize)**
**WhoCares – People's Choice Award**

GoCodeColorado, Spring 2019 (AACSB OIC Applied)
**Student/Faculty team - Statewide Finalists**

CISB 471 Teams (13 students, 2 teams), Spring 2019 (AACSB OIC T&L)
Student Showcase Presentation

CISB 471 Team (13 students), Spring 2018 (AACSB OIC T&L)
**Student Showcase Presentation**

Megan Lewin (3+2 MBA), Spring 2018 (AACSB OIC T&L)
**Student Showcase Paper**

Corey Jimerson (Finance/Economics), 2015
**Student Showcase Paper**
***Best in Track Award**

Mark Boomgaard (Computer Information Systems), 2015
***First Place, Microsoft Office Solutions, Second Place, Business Analytics, AITP National Collegiate Conference**

Jordan Fisher (Computer Information Systems), 2015
***Second Place, PC Troubleshooting AITP National Collegiate Conference**

Zach Horrall (Computer Information Systems), 2015
***First Place, Microsoft Office Solutions, Second Place, Business Analytics, AITP National Collegiate Conference**

Dustin DeLor (Computer Information Systems), 2014
***Third Place, PC Troubleshooting Competition, AITP National Collegiate Conference**

Michael Rowe (Computer Information Systems), 2014
***Honorable Mention, PC Troubleshooting, AITP National Collegiate Conference**

Dustin DeLor (Computer Information Systems), 2013
***Third Place, PC Troubleshooting Competition, AITP National Collegiate Conference**

Paul Ducray (Computer Information Systems), 2013

***Honorable Mention, PC Troubleshooting**
**Top Ten, Security Competition, AITP National Collegiate Conference**

Steven Nolan and Heather Flaherty (Computer Information Systems), 2012
***Honorable Mention, Business Analytics Competition, AITP National Collegiate Conference**

Sydney Jensen (Computer Information Systems), 2012
**Student Showcase Paper**
***Best in Track Award**

Leyland Byers (MBA), 2012
**Student Showcase Paper**

Steven Nolan (Computer Information Systems), 2011
**Paper accepted to Mountain Plains Management Association's annual conference**
***Best Paper Award, Student Track**

Megan Vogel (Computer Information Systems), 2011
**Student Showcase Paper**
***Best In Track Award**

Triston Arisawa and Megan Vogel (Computer Information Systems), 2011
***Honorable Mention, Web Design, AITP National Collegiate Conference, 2011**

Megan Vogel (Computer Information Systems), 2011
***First Place, Student Paper Competition**
***Honorable Mention, Web Design, AITP National Collegiate Conference, 2011**

Josh Major (Computer Information Systems), 2011
***Honorable Mention, Network Design Competition, AITP National Collegiate Conference, 2011**

Cole Nash (Management), 2011
***Honorable Mention, Network Design Competition,**
***Third Place, Student Paper Competition, AITP National Collegiate Conference, 2011**

Nick Bjorklund (Economics/Finance), 2010
**Paper accepted to the Second Annual Four Corners Conference on Globalization**

Lyndsay Yerbic (Computer Information Systems), 2010
***Honorable Mention, Student Paper Competition at the AITP National Collegiate Conference, 2010**

Ed Cart (Computer Information Systems), 2010
***Honorable Mention, Student Paper Competition at the AITP National Collegiate Conference, 2010**

Eve Edie (Computer Information Systems), 2009
**Paper Accepted to the Student Track of the 2009 Mountain Plains Management Association's Annual Meeting, Paper Included in Proceedings**

Jon Williams (Computer Information Systems), 2009
**Paper Accepted to the Student Track of the 2009 Mountain Plains Management Association's Annual Meeting, Paper Included in Proceedings**

***Best Paper Award, Student Track**

Amanda Nesbit (Computer Information Systems), 2009

***Top Ten Placement, Student Paper Competition at the AITP National Collegiate Conference, 2009**

Bill Jackson and Loren Gabriel (Computer Information Systems), 2008

***Second Place Award, Web Site Design for the AFSCME Local 3375, AITP National Collegiate Conference, 2008**

Telicia Chaffin (Computer Information Systems), 2008

**Web Site Design Competition for the Manufacturers Council, AITP National Collegiate Conference, 2008**

Charles Smith (Computer Information Systems), 2008 Human Microchip Implantation

***Top Ten Placement, Student Paper Competition at the AITP National Collegiate Conference, 2008**

***Paper published in Volume 3, number 3 of *The Journal of Technology Management and Innovation*, 2008**

Telicia Chaffin (Computer Information Systems), 2007 From E-voting to I-voting

***Presented at the 2007 MPMA Conference at Kearney Nebraska, included in proceedings**

AITP Team Banner Competition, 2007

***First Place Award, Artistic Category, AITP National Collegiate Conference, 2007**

Bill Jackson and Jarrod Harper (Computer Information Systems), 2007

***First Place Award, Web Site Design for the ASFCME Local 3375, AITP National Collegiate Conference, 2007**

Charles Smith (Computer Information Systems), 2007 Podcasting for Universities

***Top Ten Placement, Student Paper Competition at the AITP National Collegiate Conference, 2007**

Telicia Chaffin (Computer Information Systems), 2007 E-voting

***Third Place Award, Student Paper Competition at the AITP National Collegiate Conference, 2007**

Juliana Munoz (Computer Information Systems), 2006 The Corporate Social Responsibility of Pure-Play Sites versus Brick-and-Mortar Corporations

***Presented at the 2006 MPMA Conference at Orem, Utah, included in proceedings**

Thomas Wolfe (Computer Information Systems), 2006 The E-Grocer Factor: Why Didn't It Work and How Can It Work Now

***First Place Award, Student Paper Competition at the AITP National Collegiate Conference, 2006**

Bernie Calderon (Mathematics), 2004

An Analysis of the TExES Exam

Ida Ramirez (Mathematics), 2003

Numerical Solution of a Titration Problem

Jose Carillo (Mathematics), 2003

The Mathematics of Coupled Dynamical Systems

Erica Price (Mathematics), 2000

Stability of a Spring/Dashpot System

## ***Classroom Teaching:***

| Institution | Courses Taught |
|---|---|
| University of New Mexico<br>1988 – 1998 | Math 111, Mathematics for Elementary School Teachers I<br>Math 112, Mathematics for Elementary School Teachers II<br>Math 123, Trigonometry<br>Math 129, A Survey of Mathematics<br>Math 150, College Algebra<br>Math 162, Calculus I<br>Math 163, Calculus II<br>Math 180, Business Calculus I<br>Math 181, Business Calculus II<br>Math 215, Mathematics for Elementary School Teachers III<br>Math 264, Calculus III<br>Math 314, Linear Algebra<br>Math 316, Differential Equations |
| Southwestern Indian Polytechnic Institute<br>1995-1997 | Math 150, College Algebra<br>Math 162, Calculus I<br>Math 163, Calculus II |
| Pacific University<br>1998-1999 | Math 122, College Algebra<br>Math 125, Pre-calculus<br>Math 165, Introduction to Contemporary Mathematics<br>Math 206, Numerical Linear Algebra<br>Math 226, Calculus I<br>CS 230, Introduction to Software Tools |
| Sul Ross State University<br>1999-2005 | Math 1300, Developmental Mathematics<br>Math 1310, University Mathematics<br>Math 1315, University Algebra<br>Math 1320, Calculus I<br>Math 1321, Calculus II<br>Math 1342, Statistics<br>Math 2320, Calculus III<br>Math 3101/CS 3101, Departmental Seminar<br>Math 3306/CS3306, Numerical Analysis<br>Math 3306, Computing in Mathematics<br>Math 3320, Differential Equations<br>Math 3350, History of Mathematics<br>Math 4360, Complex Variables<br>Math 4390, Senior Project<br>Math 5301, Graduate Special Topics<br>GBA 3350, Business Statistics<br>CIS 3323, Human Computer Interaction<br>CIS 3360, Legal and Ethical Issues in Computing in Business<br>CIS 3370, System Analysis and Design |
| Universidad Autónoma de | GBA 5309, Quantitative Analysis and Decision Theory (MBA) |

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| Chihuahua (UACH), Chihuahua, México<br>2003-2005 | GBA 5304, Management Information Systems (MBA) |
| Colorado Mesa University (formerly – Mesa State College)<br>2005 – present | CISB 101, Business Information Technology<br>CISB 205, Advanced Business Software<br>CISB 206, Business Database Application Programming<br>CISB 210, Fundamentals of Information Systems<br>CISB 241, Business Analysis<br>CISB 305, Solving Problems Using Spreadsheets<br>CISB 306, Solving Problems with Databases<br>CISB 315, Information Systems Infrastructure<br>CISB 341, Quantitative Decision Making<br>CISB 342, Data Mining and Visualization<br>CISB 395, Independent Study – Computer Heroes<br>CISB 396, CISB Research<br>CISB 400, Data Communication and Network Management<br>CISB 442, Systems Analysis and Design<br>CISB 451, Database Administration<br>CISB 460, Electronic Commerce<br>CISB 471, Capstone Experience<br>CISB 491, Directed Readings<br>CISB 560, Electronic Commerce (MBA)<br>EDUC 497, Methods of Teaching Secondary Mathematics<br>EDUC 580, Secondary Instructional Methods for Mathematics |
| University of the Philippines, Cebu City<br>Fall 2017 | MGT 197, Data Analytics |

| **Other Teaching Activities** | |
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| University of New Mexico, Department of Mathematics and the Office of the Provost<br>1990-1991 | New Mexico Junior Mathematics Prognosis Exam Project (JUMP) – A statewide outreach program geared to increase success in high school mathematics programs. |
| University of New Mexico, Minority Engineering, Mathematics and Science Project<br>1994-1995 | A tutoring/mentoring program designed to increase participation and success of underrepresented populations in the study of engineering disciplines. |
| University of New Mexico, Native American Program, College of Engineering<br>1994-1995 | A resident program for Native Americans geared to increase participation and success of the student in the classroom. |
| Southern Pueblo Agency<br>1994-1995 | A teaching initiative striving to certify Native American teachers who would then return to their pueblos to accept teaching positions in tribal schools. |

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| Phillips Academy<br>Andover, Massachusetts<br>1995 | A residential program for students to increase their knowledge base for study in US institutions of higher education. |
| Sul Ross State University<br>1999-2004 | PASS (Program for Academic Success and Socialization) A bridge program for first generation college students. This course taught skills and techniques necessary for students to thrive in the University. |
| Colorado Mesa University<br>2005 – 2020<br>2022 - present | As the faculty advisor to the student chapter of the AITP, I plan and conduct monthly meetings, recruit and train students to staff our fundraising activities, Computer Heroes (a computer hardware and software repair shop) and MSDNAA software provision for students in qualifying classes. I also mentor and train students to compete in the AITP's National Collegiate Conference, newly rebranded as the USITCC (United States Information Technology College Conference), a national level conference and competition event. |
| Colorado Mesa University<br>2017 - 2020 | FYI – Freshman Year Initiative<br>Instructor for incoming freshmen on "how to survive" in the university. Topics include study skills and habits, time and money management, learning styles, career options, ethics in the academy, degree options, and independent living. |
| University of the Philippines<br>Lahug, Cebu City, Cebu<br>Fall 2017 | While on sabbatical, I taught a course in Data Analytics (MGT 197) to 38 fourth year (senior) management students. This was a challenging assignment, as the economic situation in the Philippines necessitated teaching without a textbook, so I used online resources as well as lecture notes, examples, and PowerPoints. |
| University of Cebu, Cebu City, Philippines<br>Fall, 2017 | Evaluator for PhD candidates at this 60,000+ student institution. A panel of three evaluators scored the presentations of six PhD candidates after they presented their dissertation research. (AACSB OIC T&L) |
| Mindanao State University<br>Bolton, Davao City, Philippines<br>January, 2019 | Delivered two invited lectures to student groups of business majors. This lecture discussed the current state of data analytics in business and the emerging tools and methods for data analysis. (AACSB OIC T&L) |
| Cebu Normal University, Cebu City, Philippines<br>July, 2019 | Delivered a three-day seminar on the use of Tableau, a data visualization tool, to faculty from the Institute of Applied Mathematics and Physics. This workshop was intended to stimulate research |

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| | and grant writing activities within the Institute, as well as the university. (AACSB OIC T&L) |
| National Autonomous University of Nicaragua (UNAN)<br>May, 2021 | Delivered a series of lectures and workshops on data, data visualization and the use of Tableau to make data visualizations at campuses in Jinotepe and Managua, Nicaragua. (AACSB OIC T&L) |
| GoCode Colorado<br>2019 - 2023 | As a component of my data mining and visualization course, student teams are required to submit their projects, using publicly available data, to the GoCode Colorado competition. I have coached/led many teams to the finals competition in this state-wide crowd-sourced competition.<br><br>**2019 – One team**<br>Colorado Restaurant Assistant – Informing restaurant decision makers for success<br>Utilizing public data on restaurants, private data from the Colorado Restaurant Association, Yelp! and Google Maps ratings by consumers, and other data, an analytic and geospatial model is created to better inform restaurant decision makes as to where to locate, as well as which variables are germane to restaurant success.<br><br>**2020 – Covid!**<br><br>**2021 – Four teams to the state finals**<br>MaverickHousingAnalysis - Investigating rising home prices in Mesa County.<br>Home prices in Mesa County have risen drastically since 2014. This analysis investigates how estimated population, state goods, and state personal expenditures influence the average sale price of a home over time. The analysis shows prices differ based on location and home prices increase when state goods and estimated population increase.<br><br>Mavucation - Assessment of Mesa County Valley School District 51 Performance<br>Team Mavucation compares Mesa County Valley School District 51's high school performance to schools across Colorado seeking prospects for improving teacher performance while simultaneously fostering student learning but find inconclusive results suggesting current data |

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| | collection approaches may be misdirected and should be further developed.<br>**3rd place in this statewide competition ($5,000 prize)**<br><br>UnmaskingTheData - The Continuing Need for Broadband: COVID-19's Influence<br>Broadband availability, capabilities, and access have been prevalent issues in the state of Colorado. The emergence of COVID-19 exemplifies the need for broadband and further intensified its demand. With new lifestyle changes brought about by COVID-19, broadband is needed now and, in the future, more than ever.<br><br>WhoCARES - PPP Loan Distribution and Effectiveness in the Age of COVID-19<br>The Payroll Protection Program (PPP) loan was introduced to assist small businesses in paying employees, rent, and other allowable expenses during the COVID-19 pandemic. This submission will analyze loan distribution and effectiveness throughout Mesa County using data from Colorado Information Marketplace and the Small Business Administration (SBA) websites.<br>**2nd place in this statewide competition ($10,000 prize)**<br>**&**<br>**People's Choice Award!**<br><br>**2022 – Three teams to the state finals**<br>HealthCares - Team HealthCares evaluated the relationships between county variables and chronic illnesses across Colorado counties. The study showed how obesity could affect society using the information found in the CIM and other public Colorado data outlets. Using data about demographics, healthy and fast-food outlets, and additional information about Colorado counties, the goal was to identify the casualties of the estimated obesity percentage and diabetes-related hospitalizations. The hope is to inspire and incentivize healthy behaviors while encouraging a more aligned public health policy in the State of Colorado.<br>**1st place in this statewide competition** |

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| | **($25,000 prize)**<br><br>WNV - West Nile Virus found its way to North America in 1999, starting with the diagnosis of two cases of encephalitis in the Queens borough of New York City. The virus had found its way to Colorado by 2002. Team WNV addressed the who, what, when, where, why, and how of the virus in the 64 counties of Colorado. It showed, from historical data along with qualitative, quantitative, and geospatial methods, that the primary variables behind West Nile Virus cases by county in Colorado are urban/rural classification, water area in the county (in square miles), and if it is an El Niño year or not. The team utilized mapping tools to illustrate the presence of the West Nile Virus and its spread over time through the State.<br>**3rd place in this statewide competition**<br>**($5,000 prize)**<br><br>PPP Professor – Analyzed the Paycheck Protection Program data. Searched for indicators of fraud in this massive dataset. (AACSB OIC Applied)<br><br>**2023 – Two Teams to the state finals**<br>**Team Colorado in a Drier Future –**<br>**First Place ($7500 prize)**<br>**Team EV –**<br>**Third Place ($2500 prize)**<br>(AACSB OIC Applied) |
| University of the Philippines – Visayas, Miagao, Philippines<br>July 2022 | Delivered a one-day seminar to the faculty of the University. This seminar was designed to introduce the faculty to the visualization tool, Tableau, and to stimulate interest in scholarly activities. (AACSB OIC T&L) |
| Southwest Academy of Management, Houston, Texas<br>March 2023 | Delivered an invited workshop to the annual meeting in Houston Texas on: Data Visualization Using Tableau. This workshop was sponsored by: Department of Management and Marketing, Texas A&M University-San Antonio (AACSB OIC T&L) |

## ***Scholarly Achievements:***

## ***Articles appearing in Journals:***

Snyder, J., Alyami, M., and Stone, K. (2025). Designing a Leveling Course in

Business Analytics for an MBA Program. *Business Education Innovation Journal*, 17(2).

Snyder, J. (2024). West Nile Virus in Colorado: Analytic and Geospatial Models of the Virus in Colorado. *Journal of Information Systems Applied Research*, 17(1). p. 21-32. (AACSB IC: Applied, PRJ, March 2024)

Snyder, J., and Maglasang, G. (2024). Dengue in Cebu City Philippines: A pilot study of predictive models and visualizations for public health. *American Journal of Tropical Medicine and Hygiene*. 110(1). p. 179-187. (AACSB IC: Applied, PRJ, January 2024)

Baldo, C., Wareham, J., Snyder, J., and Conklin, M. (2022). Not necessarily what you think: Comparing candidates' expectations and perception in relationships with executive recruiters. *International Journal of Employment Studies*. 30(1), p. 51-78. (AACSB IC: Applied, PRJ, April 2022)

Owens, S., Snyder, J. and Ott, R. (2022). Ethical Perspectives of Certified Public Accountants and the Cannabis Industry. *Journal of Cannabis Research, 4(8).* DOI: 10.1186/s42238-022-00118-z. (AACSB IC: Applied, PRJ, Fall 2022)

Snyder, J. and Tan, T. (2020). Ethical Awareness in the Age of Analytics: Views from the United States and the Philippines. *Review of Integrative Business and Economics Research*, 9(s4), 340-357. (AACSB IC: T&L, PRJ, Fall 2020)

Baldo, C., Snyder, J., and Holguin, A. (2020). Revisiting the Online vs. Face to Face teaching evaluations. *International Journal of Education and Development Using Information and Communication Technology*, 16(2). (AACSB IC: T&L, PRJ, Spring 2020)

Snyder, J. (2019). Data Cleansing: An Omission from Data Analytics Coursework. *Information Systems Education Journal*, 17(6), p. 22-29. (AACSB IC: T&L, PRJ, Fall 2019)

Snyder, J. (2019). Teasing Information out of a Time Series: Index Numbers and the Multiplicative Model. Sage Research Methods Cases Part 2. doi: 10.4135/9781526466488 (October 2019) (AACSB IC: T&L, PRJ, Fall 2019)

Snyder, J. and Slauson, G. (2016). Differences in Males and Females in When and Why They Become Interested in Information Systems Majors. *Information Systems Education Journal,* 14(1), p. 4-14. (AACSB IC: T&L, PRJ, Spring 2016))

Snyder, J., and Slauson, G. (2014). Majoring in Information Systems: Reasons Why Students Select (or not) Information Systems as a Major. *Information Systems Education Journal,* 12(3), p. 59-66.

Snyder, J. (2013). Wikipedia: Librarians' Perspectives on Its Use as a Reference Source. *Reference & User Services Quarterly 53(2),* p.155-163; DOI: 10.5860/rusq.53n2.155

Carpenter, D., McGinnis, D., Slauson, G. & Snyder, J. (2013). Assessing the Microsoft Office Skills Course: Computer Mediated Delivery and Pre- and Post-Surveys. *Information Systems Education Journal,* 11(4), p. 66-83.

Snyder, J. (2013). Wikipedia in the Academic Environment: Faculty and Student Perspectives, *International Journal on E-Learning*. 12(3), p. 303-327.

Snyder, J., Carpenter, D., Slauson, G., Skinner, J. and Nash, C. (2012). Beyond the Bake Sale: Fundraising and Professional Experience for Students Involved in an

Information Systems Student Chapter. *Information Systems Education Journal*, 10(6), p. 72-83.

Slauson, G., Carpenter, D., & Snyder, J. (2011). Systems in the Foundations of Information Systems Course to Retain Students and to Support the IS 2010 Model Curricula. *Information Systems Education Journal,* 9(5), p. 71-76.

Carpenter, D., Snyder, M., Slauson, G., & Bridge, M. (2011). Additional Support for the Information Systems Analyst Exam as a Valid Program Assessment Tool. *Information Systems Education Journal*, 9(4), p. 73-79.

Slauson, G., Snyder, J., & Carpenter, D. (2009). Encouraging Students to Learn on the Fly in CIS Courses*, Information Systems Education Journal,* 7(66), p. 1-8.

Snyder, J., Slauson, G., & Carpenter, D. (2009). An Action Plan to Increase IS Enrollment Based on Recent Survey Evidence, *Information Systems Education Journal,* 7(65), p. 1-12.

Carpenter, D., Bridge, M., Snyder, J., & Slauson, G. (2009). The Information Systems Analyst Exam as a Program Assessment Tool: Pre-Post Tests and Comparison to the Major Field Test, *Issues in Information Systems*, X(2), p. 355-363.

Snyder, J. (2009). Usability – A Teaching and School Service Project*, Journal of Information Systems Education* 20(1), p. 13-16.

Slauson, G., Carpenter, D., & Snyder, J. (2008). Copyright Ethics: Relating to Students at Different Levels of Moral Development, *Information Systems Education Journal 6(8)*, p. 1-6.

Snyder, J., Carpenter, D., & Slauson, G. (2007). MySpace.com A Social Networking Site and Social Contract Theory, *Information Systems Education Journal,* 5(2), p. 1-11.

Snyder, J. (1997). Stability Considerations for Numerical Methods. *SIAM Review***,** 39(4), p. 755-760.

Snyder, J. (1995). A Brief History of Population Models. *The Pentagon*, Fall 1995, p.9-18.

## ***Articles Appearing in Other Publications***

Perry, N and Snyder, J. (2024). Regional Impact Study 2023. Produced for Colorado Mesa University.

Perry, N., Casey, T., and Snyder, J. (2022). The Economic Impact of Outdoor Recreation in Mesa County. pdf available at: GJEP.org

Carpenter, D., Slauson, G. & Snyder, J. (2008). Change Dominates the Scene in Computer Technology at the New Mesa State, *Mosaic Magazine, 9.1*, p. 7.

## ***Refereed Proceedings Publications***

Snyder, J., Alyami, M., and Stone, K. (2024). Designing a Leveling Course in Business Analytics for an MBA Program. ISCAP (AACSB OIC Applied)

Snyder, J. (Fall 2023). West Nile Virus in Colorado: Analytic and Geospatial Models of the Virus in Colorado. ISCAP (AACSB OIC Applied)
***Distinguished Paper Award, Analytics Track**

Snyder, J. (Fall 2018). Data Cleansing: An Omission from Data Analytics Coursework. EDSIG/CONISAR (AACSB OIC Applied)

Snyder, J. (Fall 2016). Evidence of Wikipedia usage during the school year: A numerical

study. CONISAR (AACSB Applied)

Snyder, J. (2015). Numerical Evidence of Students' Use of Wikipedia. IABPAD 2015.

Snyder, J. and Slauson, G. (2015). Differences in Males and Females in When and Why They Become Interested in Information Systems Majors. EDIGSIG 2015.
***Distinguished Paper Award**

Snyder, J., and Slauson, G. (2013). Majoring in Information Systems: Reasons Why Students Select (or not) Information Systems as a Major. Proceedings of the 2013 ISECON.
***Distinguished Paper Award**

Snyder, J., and Lay, S. (2012). Implementing a Degree Qualifications Profile. Proceedings of the 2012 Mountain Plains Management Conference.

Slauson, G. and Snyder, J. (2012). Asking the Right Questions to Change Perception of Business Students Regarding CIS Programs. Proceedings of the 2012 Mountain Plains Management Conference.

Carpenter, D., McGinnis, D., Slauson, G. and Snyder, J. (2012). Assessing Computer Skills Course and Computer Mediated Delivery via Pre- and Post-Surveys. Proceedings of the 2012 Information Systems Educators Conference.

Snyder, J., Carpenter, D., Slauson, G., Skinner, J., & Nash, C. (2011). Beyond the Bake Sale: Fundraising and Professional Experience for Students Involved in an Information Systems Student Chapter. *Proceedings of the 2011 ISECON.*

Snyder, J. (2011). Wikileaks and Social Contract Theory. *Proceedings of the Four Corners Conference on Globalization.*

Snyder, J. (2011). Wikipedia: Librarians Perspectives on Its Use as a Reference Source. *Proceedings of the 2011 MPMC*.
***Best Paper Award, Pedagogy Track**

Slauson, G., Carpenter, D., & Snyder, J. (2010). Three Systems to Initiate in the Foundations of Information Systems Course to Support the IS 2010 Model Curricula and Retain Students. *Proceedings of the ISECON.*

Carpenter, D., Snyder, J., Slauson, G., & Bridge, M. (2010). Additional Support for the Information Systems Analyst Exam as a Valid Program Assessment Tool. *Proceedings of the 2010 ISECON*.

Carpenter, D., Snyder, J., & Slauson, G. (2010). Motivating and Managing MBA Students versus Computer Professionals and Others. *Proceedings of the 2010 MPMC.*

Snyder, J. (2010). Wikipedia as an Academic Reference: Faculty and Student Viewpoints. *AMCIS 2010 Proceedings*.

Carpenter, D., Bridge, M., Snyder, J., & Slauson, G. (2009). The Information Systems Analyst Exam as a Program Assessment Tool: Pre-Post Tests and Comparison to the Major Field Test, *Proceedings of the IACIS Conference*.

Snyder, J. (2009). Wikipedia as an Academic Reference: Faculty Perspective, *Proceedings of the MPMA Conference*.
***Best Paper Award, Pedagogy Track**

Slauson, G., Snyder, J., & Carpenter, D. (2008). Capitalizing Quickly on the Information Asset by Learning-on-the Fly, *Proceedings of the MPMA Conference.*

Snyder, J. (2008). Cultural Dimensions of Web Design Elements, *Proceedings of the MPMA Conference*.

Snyder, J., Slauson, G., & Carpenter, D. (2008). An Action Plan to Increase IS Enrollment Based on Recent Survey Evidence, *Proceedings of the ISECON.*

Slauson, G., Snyder, J., & Carpenter, D. (2008). Encouraging Students to Learn on the Fly in CIS Courses, *Proceedings of the ISECON*.

Carpenter, D., Slauson, G., Snyder, J. & Winniford, M. (2008). Motivating and Managing IT Professionals Versus Bankers, *Proceedings of the WDSI*.

Winniford, M., Slauson, G., Carpenter, D., & Snyder, J. (2007). A Survey of Student Mastery of Computer Skills: Pretest of Ability, *Proceedings of the MPMA Conference.*

Snyder, J., Slauson, G., Jackson, B., & Chaffin, T. (2007). Using the National Collegiate Conference as a Focal Point for an AITP Student Chapter's Annual Activities, *Proceedings of the ISECON*.

Slauson, G., & Snyder, J. (2007). Nano-Studies in a Business Course; Providing Small Portions of Information with Pointers to More Detail, *Proceedings of the MPMA Conference.*

Carpenter, D., Slauson, G., Snyder, J., & Winniford, M. (2007). Motivating And Managing Computer Personnel in The 21st Century: Expanding The Pilot Study, *Proceedings of the MPMA Conference.*

Snyder, J. (2007). It's a Wiki-World: Utilizing Wikipedia as an Academic Reference, *Proceedings of the MPMA Conference.*

Slauson, G., Carpenter, D. & Snyder, J. (2006). Copyright Ethics: Relating to Students at Different Levels of Moral Development, *Proceedings of the ISECON.*

Snyder, J., Carpenter, D., & Slauson, G. (2006). MySpace.com A Social Networking Site and Social Contract Theory, *Proceedings of the ISECON.* ***Meritorious Paper Award**

Bridge, M., Snyder, J. & Naas, J. (2006). The Development Methodology Of A Metropolitan Statistical Area Price Index Model, *Proceedings of the IBER & TLC.*

Muñoz, J. & Snyder, J. (2006). The Corporate Social Responsibility of Pure-Play Sites versus Brick-and-Mortar Corporations, *Proceedings of the MPMA Conference.*

Snyder, J. (2005). Evaluating E-Commerce: An Aesthetic Perspective, *Proceedings of the MPMA Conference*.

## ***Reviewing Activities***

Journal of Information Systems Education
Global Public Health (Journal)
Information Systems Education Journal
Information Systems Education Conference
Information Systems & Computing Academic Professionals Conference
Four Corners Conference on Globalization
Mountain Plains Management Conference

## ***Invited or refereed talks/presentations to professional meetings***

The Data Wave. **Invited plenary presentation** for the International Conference for Science and Computing. October 29, 2024. Cebu Normal University, Cebu City, Philippines.

My Journey Through the Mathematical Landscape. **Invited keynote speaker** for the College of Computing, Artificial Intelligence, and Sciences Student Council Symposium on Science and Computing. September 27, 2024. Cebu Normal University, Cebu City, Philippines.

Tableau: An Introduction to Data Visualizations. March 10, 2023, Invited workshop to the Southwest Academy of Management (SWAM) annual meeting

WNV (West Nile Virus): GoCode Colorado, May 26, 2022, **Third Place Award** in this statewide competition sponsored by the Colorado Secretary of State

"Data Cleaning: Enhancing the integrity of the Cities and Municipalities Competitiveness Index (CMCI) database", October 27, 2020 **Third Place Award** at the 2020 CMCI Academic Symposium (Co-authored with Dr. Gretchen Chaves of the University of the Philippines, Lahug, Cebu) (AACSB OIC Applied)

"Numerical Evidence of Students' Use of Wikipedia" October, 2015
The International Academy of Business and Public Administration Disciplines (IABPAD) Conference Las Vegas, Nevada (AACSB Applied)

"Report on the National Collegiate Conference" May 2015
Mile High Chapter of the AITP Monthly Meeting; Denver, Colorado
**(Invited presentation including student presenters: Kaemen Chiles, Mark Boomgaard, Jordan Fisher)**

"Report on the National Collegiate Conference" May, 2013
Mile High Chapter of the AITP Monthly Meeting; Denver, Colorado
**(Invited presentation including student presenters: Kaemen Chiles, Dustin Delor, and Michaela Ervin)**

"Report on the National Collegiate Conference" May 2011
**Mile High Chapter of the AITP Monthly Meeting; Denver, Colorado (Invited presentation including student presenters: Cole Nash, Paul Ducray, Nathan Woods,)**

"Wikipedia: Librarians Perspectives' on Its Use as a Reference Source"
MPMC 2011, Grand Junction, Colorado, October 2011

"Report on the National Collegiate Conference"
Mile High Chapter of the AITP Monthly Meeting; Denver, Colorado
**(Invited presentation including student presenters: Tristen Arisawa, Michael Ervin, Nathan Woods**)

"Wikipedia as an Academic Reference: Faculty and Student Perspectives"
AMCIS 2010, Lima, Peru, August 2010

"Wikipedia as an Academic Reference: Faculty Perspective"
MPMA 2009, Grand Junction, Colorado, October 2009

"Cultural Dimensions of Web Design Elements"
MPMA 2008, Pocatello, Idaho, October 2008

"An Action Plan to Increase IS Enrollment Based on Recent Survey Evidence"
ISECON 2008, Phoenix, Arizona, November 2008

"Encouraging Students to Learn on the Fly in CIS Courses"
ISECON 2008, Phoenix, Arizona, November 2008
"Report on the National Collegiate Conference"
Mile High Chapter of the AITP Monthly Meeting; Denver, Colorado, May 2008
(**Invited presentation including student presenters:**
**Bill Jackson and Telicia Chaffin**)
"Using the National Collegiate Conference as a Student Chapter Focal Point"
AITP National Collegiate Conference
(**Invited presentation including student presenters:**
**Bill Jackson and Telicia Chaffin**)
Memphis, Tennessee, March 2008
"Using the National Collegiate Conference as a Focal Point for an AITP Student Chapter's Annual Activities"
ISECON 2007, Pittsburgh, Pennsylvania, November 2007
"It's a Wiki-World: Utilizing Wikipedia as an Academic Reference"
Mountain Plains Management Association Annual Meeting
University of Nebraska at Kearney, Kearney, Nebraska, October, 2007
"The National Collegiate Conference Team Experience"
Mile High Chapter of the AITP Monthly Meeting; Denver, Colorado, May 2007
**(Invited presentation including student presenters:**
**Bill Jackson, Jarrod Harper, and Telicia Chaffin)**
"The Corporate Social Responsibility of Pure-Play Sites versus Brick-and-Mortar Corporations"
Mountain Plains Management Association Annual Meeting
Utah Valley State College, Orem, Utah, October 2006
"Evaluating E-commerce: An Aesthetic Perspective"
Mountain Plains Management Association Annual Meeting
Southern Utah University, Cedar City, Utah, October 2005
"Partial Differential Equations and Population Models"
Mathematical Association of America Regional Meeting
Austin, Texas, April 2000
"The Balloon Bifurcation"
1996 Region V Conference, Kappa Mu Epsilon, Mathematics Honor Society, Grand Junction, Colorado, April 21, 1996.
"A History of Population Models"
Thirtieth Biennial Convention, Kappa Mu Epsilon,
Mathematics Honor Society, Durango, Colorado, April 21, 1995.
"An Introduction to Dynamical Systems"
1994 Region V Conference, Kappa Mu Epsilon, Mathematics Honor Society, Albuquerque, New Mexico, April 9, 1994.

## ***Professional Conferences:***

Supercomputing
April 1991
Society of Mathematical Biologists Annual Meeting

May 1995
October Pre-service Conference for the Training of Teachers
October 1999
Mathematical Association of America Texas Section Meeting
April 2000; April 2002
Texas Association of Two-Year Colleges Annual Meeting
May 2002
Mathematical Association of America Texas Section Meeting
April 2003
Dallascon – Wireless Security Conference
May 2004
Mountain Plains Management Association
October 2005; October 2006; October 2007; October 2008; October 2009; October 2011; October 2015
National Collegiate Conference of the AITP (Faculty Sponsor)
2006-present
DEFCON 14
August 2006
ISECON (Information Systems Educators Conference)
November 2007; November 2008
Americas Conference on Information Systems
August 2010
Four Corners Conference on Globalization
October 2010, 2011, 2013
The International Academy of Business and Public Administration Disciplines (IABPAD) Conference
October 2015
EDSIG/CONISAR
November 2018
INFORMS Analytics Conference (virtual)
May 2020
SWAM March 2023
ISCAP November 2023
International Conference for Science and Computing, October 2024

## ***Professional Affiliations:***

| | |
|---|---|
| EDSIG | AITP Education Special Interest Group |
| INFORMS | Institute for Operations Research and the Management Sciences |
| ASTM&H | American Society of Tropical Medicine and Hygiene |

## ***Educational Activities:***

Gen AI Certificate sponsored by Google (2025)

Tableau (Visualization Software)

Analyst Skills Assessment, March 2020
Data Scientist Skills Assessment, March 2020
Desktop I, II, III Certificate, Jan. – March 2020
(AACSB OIC Applied)

Structural Equation Modeling – an introduction, UP API
October 2017

Introduction to data mining with R, UP API
September 2017

Going Places with Spatial Analysis, ESRI MOOC
October 2015

Location Advantage, ESRI MOOC
June 2015

Microsoft Certified Technology Associate Certificates
Security (2013)
Networking (2013)

Six Sigma Training
Yellow Belt – July 6, 2009
Green Belt – July 10, 2009
Black Belt – June 10, 2010

## ***Service to Profession:***

## ***Grant Writing Activities:***

| Date | Funding Agency | Status | Amount |
|---|---|---|---|
| Spring 2007 | Vice-President of Academic Affairs, Mesa State College; Faculty Professional Development Fund | Awarded | $1,416.00 |
| Spring 2009 | Microsoft Corporation via Tech Soup Software Grant on Behalf of The Western Colorado Council of The Boy Scouts of America | Awarded | $3,600.00 |
| Spring 2009 | Vice-President of Academic Affairs, Mesa State College; Faculty Professional Development Fund | Awarded | $995.00 |
| Fall 2009 | El Pomar Foundation on Behalf of The Western Colorado Council of The Boy Scouts of America | Awarded | $25,000.00 |
| Fall 2016 | US Fulbright Teaching/Research Grant | Not Awarded | |
| Fall 2016 | Vice President of Academic Affairs, Colorado Mesa University; Faculty Professional Development Fund | Awarded | $650 |
| Fall 2018 | Vice President of Academic Affairs, Colorado Mesa University; Faculty Professional Development Fund | Awarded | $1,000 |
| Fall 2023 | VPAA Faculty Professional Development | Awarded | $1,600 |

| | Fund | | |
|---|---|---|---|
| Fall 2023 | US Fulbright Teaching/Research Grant | Passed Peer Review | Not Funded |

## ***Professional Service:***

| | |
|---|---|
| 1991 | Session Aide, Supercomputing Annual Meeting |
| 1993 | Session Aide Supervisor, American Physical Society Annual Meeting |
| 1994 | Referee, Math Presentations of Navajo Community College Science Honors Scholars |
| 2000 - 04 | Director and Judge, University Interscholastic League contest, computer applications competition, mathematics, calculator applications and number sense competitions |
| 2004 | Judge, Chihuahuan Desert Research Institute Annual Conference – Student paper and poster sessions |
| 2008 | Session Chair, Information Systems Educators Conference |
| 2009 | Track Chair, Mountain Plains Management Association Annual Conference, CIS Track |
| 2010 - | Conference Organizing Committee, Four Corners Conference on Globalization, presenter, session chair |
| 2010 | Session Chair, AMCIS 2010 in Lima, Peru |
| 2011 | Track Chair, Mountain Plains Management Association Annual Conference, CIS Track |
| 2010 - 2012 | Faculty Advisory Board for the Student Leadership Council, Association of Information Technology Professionals |
| 2015 | Track Chair, Mountain Plains Management Association Annual Conference, CIS Track |
| 2016 | Track Chair, Conference for Information Systems Applied Research |
| 2017 | Evaluator for PhD Candidate Defense Presentations, University of Cebu |
| 2019-2024 | Fulbright Specialist Roster |

## ***Fort Lewis College:***

| | |
|---|---|
| 1987-88 | Senior Class Vice-President |
| 1988 | Student Representative, Presidential Selection Committee |

## ***University of New Mexico:***

| | |
|---|---|
| 1989-95 | Student representative to the Graduate Student Association (GSA) from the mathematics department |
| 1989-91 | GSA representative to the campus planning committee |
| 1989-93 | GSA representative to the National Association of Graduate and Professional Students |
| 1990-93 | GSA representative to the student union board. |
| 1992 | Member, GSA evaluation task force<br>President, GSA (Elected Position) |

| | |
|---|---|
| 1992-93 | Council Chair, GSA (Elected Position) |
| 1993 | Member, Student Union Building Director search committee |
| 1997 | Member, Mathematics Department Committee on Graduate Studies |

## ***Sul Ross State University:***

| | |
|---|---|
| 1999-02 | Member, Research and Development Council<br>Secretary 2000-01, Chair 2001-02 |
| 1999 | Chair, Computer Science Faculty Search Committee |
| 2000-02 | Member, Orientation Committee |
| 2000-01 | Member, Recruitment Issues Committee |
| 2000 | Member, Computer Services Committee |
| 2001-02 | Living/Learning Centers Committee |
| 2001-02 | Computer Information Systems Program Development Committee |
| 2002 | Chair, Mathematics Faculty Search Committee |
| 2002 | Financial Aid Appeals Committee |
| 2002-04 | Library Information Technology Council<br>Secretary 2002-03, Chair 2003-05 |
| 2004-05 | Chair, Dean of Arts and Sciences Search Committee |
| 2005 | Computer Information Systems Faculty Search Committee |

## ***Colorado Mesa University:***

| | |
|---|---|
| 2005-06 | Faculty Search Committee (CIS) |
| 2005-08 | Curriculum Advisory Board for Colorado Mountain College |
| 2006-08 | Faculty Search Committee (Finance) |
| 2006 - 09 | Recruitment, Advisement and Retention Committee |
| 2007 -09 | Luminis Web Portal Committee |
| 2007-08 | Web Content Committee |
| 2007 | Search Committee (Institutional Research Analyst) |
| 2008-09 | Distance Education Committee |
| 2008 - 12 | BOCA (Business Organizations, Clubs, and Associations) Committee |
| 2009 | Faculty Search Committee (Economics) |
| 2010 | Faculty Search Committee (Quantitative Methods/Management faculty) |
| 2010 - | Academic Technology Advisory Committee |
| 2010 | Faculty Search Committee (Quantitative Methods/Management faculty) |
| 2010 | Faculty Search Committee (Human Resources/Entrepreneurship faculty) |
| 2010 | Search Committees (Instructional Designer and Digital Media Specialist) |
| 2010 | Learning Management System Evaluation Committee |
| 2010 | Graduate Bulletin Working Group |
| 2010 - 14 | Organizing Committee, Four Corners Conference on Globalization |
| 2011 | Pre-Tenure Committee |
| 2011 | Search Committee (Quantitative Methods/Management faculty) |
| 2011 - 12 | Web/Marketing Committee |
| 2011 - 13 | MBA Committee |
| 2011 - 13 | Higher Learning Commission Re-accreditation Committee; Criterion One |

| | |
|---|---|
| 2013 - 16 | Search Committees (Computer Science, two positions: Computer Information Systems, two positions) |
| 2012 - 21 | Faculty Senate (Vice-President 2013-2015; President Elect 2015-2016; President 2016-2017; President Elect 2018-2019; President 2019-2020) |
| 2015 - 19 | Departmental Retention Committee (Chair) |
| 2016 - 2022 | AACSB Departmental Steering Committee |
| 2017 - 2020 | AACSB SA Committee Chair |
| 2018 | Search Committees (Computer Information Systems, Entrepreneurship) |
| 2019 | Search Committees (Computer Science, Quant/OpsMgt) |
| 2019- | International Student Program – Faculty Liaison |
| 2021 | Search Committee Chair (Computer Information Systems) |
| 2020-2024 | Member, AACSB Steering Committee |
| 2021-2022 | Search Committee Chair (Computer Information Systems, Business Analytics) |
| 2015-present | CISB Assessment, Program Review, Course Schedule, Area Coordinator |
| 2018-present | Business Analytics Area Coordinator |
| 2022-present | MBA Committee (wrote State of the MBA – 2025 report) |
| 2022 - 2023 | Pre-tenure committee (department level and Faculty Senate level) |
| 2022 - 2024 | Tenure and Promotion Committee (University wide) |
| 2022 | Program Evaluation Chair, Lead Writer |
| 2022-2024 | ATAC (Academic Technology Advisory Committee) |
| 2022 – 2023 | Chair, CISB search committee; Chair Business Analytics search committee |
| 2022 – 2024 | Laptop Committee |
| 2024 | Assessment Committee Chair (started committee as a response to AACSB site visit and report) |
| 2025 – present | BBA ReVision Committee |

## ***Community:***

| | |
|---|---|
| 1977 | Eagle Boy Scout |
| 1977-81 | Member, National Ski Patrol |
| 1979-81 | Captain, Junior National Ski Patrol |
| 1983-87 | Member, Board of Directors, Durango Natural Foods |
| 1986-87 | Secretary to the Board of Directors, Durango Natural Foods |
| 1986-88 | Disk Jockey, KDUR 91.9 FM, student managed radio, Fort Lewis College |
| 1996 | Judge, Garfield Middle School Science Fair |
| 1995-97 | Volunteer, Explora! Science Center |
| 1999 | Judge, Northwest Science Exposition |
| 2001 | Eagle Scout Review Board Member |
| 2003 | Judge, Marathon ISD Science Fair |
| 2003 | Guest Presenter, Alpine High School |
| 2004 | Alpine High School Site Based Decision Making Committee |
| 2004 | Alpine High School Vertical Curriculum Alignment Committee |
| 2007 | Guest Presenter, Fruita 8/9 School (The History of Numbers and $\sqrt{-1}$; The Fractal Dimension) |

| | |
|---|---|
| 2008 - 10 | Member, Executive Council for the Western Colorado Council of the Boy Scouts of America |
| 2009 - 10 | Council Vice-President for Membership and Relations, Western Colorado Council of the Boy Scouts of America |
| 2010 - 12 | Faculty Advisor to the Association of Information Technology Professionals Student Leadership Council (National Level Position) |
| 2010 - 17 | Member, Board of Directors, Little Mavericks Learning Center |
| 2018 | Judge, Fourth Grade Science Fair, Dual Immersion Academy |
| 2022 | Moderator, CMU Elevator Pitch Competition |
| 2023 - | IAC Committee Member |

## ***Administration, Curricular Development:***

**Co-organizer for the New Mexico JUMP (JUnior Mathematics Prognosis) Project:**

This was a project which promoted mathematics awareness in public school systems throughout New Mexico. During the time of my involvement the exams were updated, the grading and reporting process was computerized using Scantron forms and Scanform software, and teacher suggestions were incorporated into the examination and reporting processes, as well as into the statistical analysis. Throughout my involvement with this program, many of the teachers in the Albuquerque area invited me to give lectures about the applications of mathematics to their classes which helped them illustrate the importance of mathematics to their students. (1990-92)

**Mathematics instructor for the TRIBES Summer Program, Native American Program College of Engineering (NAPCOE):**

This was a bridge program for Native American students from throughout North America. As the mathematics instructor I was responsible for curriculum development and implementation. As a part of the program staff, I helped organize activities and set standards for the students. I acted as a mentor to the students, and attended training sessions such as "Imaginal Education for Mathematics and Science Educators," and "Facilitation Methods." (1994)

**Mathematics instructor at Phillips Academy in Andover, Massachusetts:**

During this summer program, I supervised a male dormitory, taught a physical education class and developed and instructed a class in Mathematical Modeling. Topics covered included dimensional analysis, traffic flow problems, the mathematics of pool, fractals, and population mathematics from both a discrete and a continuous perspective. (1995)

**Distance Education Curriculum Development, University of New Mexico:**

I was involved with the Department of Continuing Education at the University of New Mexico revising the course curriculum for correspondence classes. This project involved putting together a syllabus for students around the state (and elsewhere) to follow. These syllabi include homework assignments, practice exams, and an outline for success in correspondence coursework. The course sequences that I revised, developed, and supervised were the algebra sequence (M120, M121, and M150), the elementary

education sequence (M111, M112, and M215), and the calculus for life and economic sciences (M180 and M181). (1996-1999)

**Curriculum Development at Pacific University:**

In conjunction with departmental members, I helped to re-write the mathematics curriculum at Pacific University. One of my primary roles was to develop an applied course in partial differential equations which was accepted as a service course by the physics, chemistry, mathematics and computer science departments at Pacific University. (1998-99)

**Course development at Sul Ross State University:**

I developed both service courses and courses for math majors that were incorporated into the permanent curriculum. These included Statistics (Math 1342), Numerical Analysis (Math 3306), Computing in Mathematics (Math 3306) and a year-long sequence in Complex Variables (Math 4360 and Math 4361). (1999-2002)

**Mathematics Instructor for the PASS (Program for Academic Success and Socialization) Program at Sul Ross State University:**

I taught a two week course every summer to students who had just graduated high school and were enrolling in Sul Ross State University for the fall semester. This was a "bridge" program designed to give these students (primarily first generation college students) an advantage to ensure their success in university studies. We reviewed the basics of algebra and geometry as well as introducing good study habits which included note taking and textbook marking. For some of the students, this was a primer for college algebra or statistics, while for others it is a review for the TASP exam, an examination administered by the state of Texas for entrance into university studies. In addition to the mathematics, we had some fun with scavenger hunts and jeopardy; all having a mathematical or scientific orientation. (1999 - 2004)

**Mathematics Instructor for the Upward Bound program at Sul Ross State University:**

I taught a summer program to junior and senior high school students who were active in the Upward Bound Program. Topics included soil composition analysis, Voronoi diagrams and regions of influence, graph theory, and geometry. (2000)

**Distance Education at Sul Ross State University:**

I taught classes that were televised to area high schools for dual credit (high school credit and university credit). Typically, I taught college algebra or calculus each academic year. (1999 – 2005)

**Curriculum Development at Sul Ross State University:**

I was a key committee member for the development of a BBA degree in Computer Information Systems (CIS). This committee established curriculum requirements and financial need analysis for the new degree. (2001)

I organized and ran the computer science and mathematics department seminar. In this forum, faculty and students presented ideas from mathematics and computer

science that they found interesting. One of the main focal points of the department was the training of pre-service teachers, so this forum provided a chance for the students to "get their feet wet" via presentations in this "safe" environment. Each student enrolled in the seminar was required to present two, twenty minute talks during the semester. (2001 - 2005)

I developed the CIS degree program, insuring that prerequisite classes were taught in a timely manner, obtained and maintained the computer hardware and software infrastructure, directed library acquisitions and advised CIS majors. (2003 – 2005)

**Chairman Department of Computer Science and Mathematics:**

As the Chair of the department, I was responsible for the oversight of the annual budget, the coordination of class offerings, and the supervision of five faculty, multiple adjunct faculty, and one staff member. Additional duties included aligning our curriculum with the Academic Center for Excellence (remediation programs), working on the English Language Learners Grant in conjunction with the department of Education, and coordinating the mathematics program to align with statewide educator standards.

**Faculty Advisor, Colorado Mesa University Association of Information Technology Professionals (AITP) Student Chapter:**

As the faculty advisor, it is my job to generate synergy within the organization. This has been accomplished by making the National Collegiate Convention (NCC) a "target point" for the academic year. This focus enables the monthly meetings to have a theme such as "usability analysis" or "PC troubleshooting" as a fun and educational interlude to the regular agenda items. The student chapter began a computer diagnosis and repair fundraising activity, "The Computer Heroes." This activity gives students PC trouble shooting skills, customer relationship skills, and user support skills. This activity also enables the students to gain practical experience while they pursue their degrees, building their resumes. These activities have resulted in many of the AITP student chapter members participating in NCC events and bringing awards (as well as having a valuable learning experience) to Colorado Mesa University. These activities have also facilitated student presentations in the "Student Scholars Symposium" at Colorado Mesa University, presentations to the sponsoring chapter, the Mile High Chapter of the AITP in Denver, Colorado, and presentations at the National Collegiate Conference sponsored by the AITP. As an interface with our parent chapter in Denver, I travel with students approximately once per semester to a monthly meeting of the AITP in Denver which gives the students exposure to working professionals in the IT field, allows the students to practice networking within the professional field, and gives the students ideas as to what the IT community values in "new employees" before they graduate and pursue careers. (2005 – 2020; 2022 - present)

**Distance Education, Colorado Mesa University:**

As a regional service provider, Colorado Mesa University has a need for professors to accommodate distance students. I teach classes using WebCT/D2L for online classes and distance delivery methods (two-way interactive television) for our remote campus students in Montrose, Colorado. (2006 – present)

**Portal Launch/Web Content Redesign, Colorado Mesa University:**

As a committee member for the Luminis Portal and the Web Content committees my academic affiliation (computer information systems) was utilized to format the portal pages for both usability and content. Further, my expertise was useful for the redesign of the business department web pages, which I was responsible for. In addition to the design component for my department, I consulted with various other departments for their design and acted as a change manager for the faculty contingent in the adoption of the portal and the web redesign. This committee met during the summer of 2007 to accomplish the roll-out by the fall semester of 2007. (2007 – 2009)

**Faculty and Staff Training, Office 2007, Colorado Mesa University:**

I was asked to perform training on the new office software package immediately after a campus-wide conversion to Office 2007 by the Office of the Vice-President of Academic Affairs. Incorporated into this training was an element of "change management," as many on the faculty and staff were leery of the transition. I ran two different training sessions, one for staff where tools such as mail merge and basic formula creation were addressed (Word and Excel) and one for faculty where creation of an automated table of contents, citation and reference list creation, creation of a grade book application, and presentation skills/tools were addressed (Word, Excel, and PowerPoint). The change management came about by informing the users as to the reasons behind the changed interface, its usability and its utility for their job performance. In addition, many of the new customization tools, the help menu, and online help resources were addressed. (Summer and Fall, 2008)

**Graduate (MBA) Admissions Working Group, University of the Philippines, Cebu City**

As a member of this working group, we formulated admissions standards, tests, and interviews in an attempt to stem the attrition from the MBA program (most attrition is attributed to job and family changes). In doing so, the working group hopes to accept candidates into the MBA program who will stay until completion of their degree. (Fall, 2017)

**Curriculum Development at University of the Philippines, Cebu City**

I was asked to develop and deliver a course on data analytics to the fourth-year students in the management program. This course consisted of utilizing real-world data sets to illustrate how tools such as Excel, the data analytics add-in in Excel, and PHStat can be used to gain business insight and information from raw data. The class was run utilizing web-based resources. (Fall, 2017)

**Curriculum Development at Colorado Mesa University**

Researched, developed, and implemented the course structure for the BBA in Business Analytics. (2017)

Based on feedback from the MBA faculty that the MBA students were lacking in analytical skills, a survey was developed, deployed, and analyzed to determine what

skills the MBA faculty desired in the MBA students. Survey results, combined with a literature review on best practices for teaching analytics (along with current industry demands/trends) were used to build a course for entering MBA students: CISB 501 – Data Analytics. This is a required course for all first year MBA students. This project also resulted in the publication of an academic paper (see "Articles appearing in Journals" section above).

**Co-wrote State of the MBA 2025**

During a leadership lapse in the MBA program a colleague and I were tasked with writing the State of the MBA program 2025. This involved analyzing and designing visualizations for survey data, course enrollment trends, and assessment data.

## ***Software Proficiencies:***

Programming: Fortran, Pascal, VRML, Java, VBA
Operating Systems: Windows, Mac, UNIX, LINUX, Dos
Software: Word Processor, Presentation Tools, Spreadsheet Tools, SPSS, Stat View, Access, Mongo, PhasePlane, LocBif, ArcGIS, Oracle/SQL, MySQL, PowerBI, Tableau…
Distance Education: Experience with WebCT, Desire2Learn, and Blackboard, Instructional Television Courses, Correspondence Courses

## ***Professional Recognition:***

Charter member, Kappa Mu Epsilon, Colorado Gamma Chapter
Treasurer, 1985-86
President, 1986-88

Math Department Scholarship, Spring 1987, Fort Lewis College
This scholarship recognizes scholarly achievement and is a monetary award for the following academic year.

First Place Award, Spring 1994, Kappa Mu Epsilon Regional Convention, University of New Mexico: This monetary award recognizes the best presentation (graduate category) of the meeting.

Member, Kappa Mu Epsilon, New Mexico Alpha Chapter
Treasurer, 1995-96

Texas NEXT (New EXperiences in Teaching) Fellow, 2000

Who's Who in American Colleges and Universities, 1993

Who's Who in America, 2003

Who's Who Among America's Teachers, 2002 (Nominated by Ana M. Perez)

Who's Who Among America's Teachers, 2004 (Nominated by Alfonso Chavez Jr.)
Who's Who Among America's Teachers, 2005 (Nominated by Wesley Culver)
Who's Who Among America's Teachers, 2005 (Nominated by Johnny Mendias)
Who's Who in American Education, 2006, 2007, 2008

Meritorious Paper Award, ISECON 2006

Faculty "Extra Mile Award" Association of Information Technology Professionals Awarded at the National Collegiate Conference, March 2008

Outstanding Educator Award, Presented by the Grand Junction Chamber of Commerce and the Student Government Association of Mesa State College, May, 2008

Best Paper Award, Pedagogy Track, MPMC October, 2009

Best Paper Award, Pedagogy Track, MPMC October, 2011

Distinguished Paper Award, ISECON 2013

Nominated by a fellow faculty member for Distinguished Faculty Award, CMU 2013-2014, 2018-2019

Distinguished Paper Award, ISECON 2015

Distinguished Paper Award, ISCAP 2023

Outstand Service Award, Davis School of Business, 2023

Top Journal Reviewer Award – Information Systems Education Journal (2025)

Outstanding Conference Reviewer Award – Information Systems & Computing Academic Professionals Conference (2025)