

# SHARI PLANTZ-MASTERS, PHD

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**Transformative Leader** with significant experience delivering creative, value-driven offerings through collaborative engagement across units. Strategist with proven leadership in meeting the demands of employers for graduates with career-focused capabilities in a rapidly changing workforce climate. Highly data-informed leader, committed to designing coherent programs with a wide range of domain expertise and business acumen with an acute understanding of the changing landscape of higher education. Entrepreneurial and founder of successful consultancy with demonstrated ability to drive change through consensus within an organization.

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## EXECUTIVE EXPERIENCE

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### PROFESSOR, SOFTWARE ENGINEERING

MAY 2015 – PRESENT

### FOUNDING ACADEMIC DEAN

#### ANDERSON COLLEGE OF BUSINESS AND COMPUTING

May 2020 – July 2023

*Regis University* | Denver, CO

#### Key Achievements:

- ❖ Integrated faculty, programs, and culture of the College of Computer and Information Sciences and the College of Business into the Anderson College of Business and Computing through a Design Thinking approach – Innovation by Design
  - ❖ Working with faculty, established funding sources for 4 Centers
    - Innovation Center
    - Common Good Network
    - Center for Information Assurance Studies
    - Sustainable Enterprise and Economic Develop Institute
  - ❖ Oversaw reversal of enrollment decline in MBA program, now seeing an increase in enrollment.
    - Established a Program Director for the MBA
    - Restructured MBA to enable modular components and stackable credentials.
  - ❖ Established Executive Advisory Board.
  - ❖ Created the strategic plan to move the college forward and garnered Board of Trustee approval to pursue AACSB accreditation.
  - ❖ Established the Common Good Network to build an ecosystem between industry partners, faculty, and students enabling students to work with businesses and organizations to address business problems.

### FOUNDING ACADEMIC DEAN

#### COLLEGE OF COMPUTER AND INFORMATION SCIENCES

May 2015 – May 2020

*Regis University* | Denver, CO

#### Key Achievements:

- ❖ Transformed a culture focused solely on teaching to one focused on academic excellence through research, teaching excellence, and student success.
  - Doubled peer-reviewed publications by year 2
  - Increased federal grants from 0 to \$810,000 in year 4
  - Restructured academic governance process to increase faculty voice and ownership and expedite curriculum changes designed to improve student success and retention.
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- ❖ Developed a portfolio approach to program offerings.
  - Launched a new MS in Data Science in 2016 increasing college revenue by 20% and built a student population of 200 in 2 years.
  - Launched BS in Cybersecurity for the post-traditional population.
  - Terminated degree programs (MS in Database Technologies, MS in Software Engineering and Database Technologies, and BS in Health Information Management) with declining relevancy and enrollment.

- Directed the revision of programs with lagging enrollments and appropriately reallocated faculty and resources.
- ❖ Transformed the institution's strategic planning to a dynamic process using Lean X-Matrix to track initiatives and progress of urgent priorities for the university. Implementation and accountability were assumed by the President's Cabinet members.
  - Aligned college initiatives to contribute to urgent priorities – revenue diversification, enhanced student success, and market-focused alignment of operations.
    - Created and cultivated alumni network post-traditional and graduate alumni previously ignored by the institution.
  - Spearheaded the effort to develop industry partnerships that produce grant funding for faculty and students.

**Key Duties:**

- Determine the strategic direction of the college through degree programs, academic culture, and industry partnerships while contributing to the university's mission to educate students (traditional and post-traditional) to make a positive impact in the workforce.
- Lead academic and operational development across the college.
  - Assuring academic excellence across all modalities – face-to-face, online, and hybrid offerings.
- Troubleshoot and correct complex issues with an emphasis on real-time and historical data rendering.
- Lead outreach to industry.

**VICE PRESIDENT – NETWORK PLANNING**

**1987-2000**

***US WEST*** | Denver, CO

**Key Achievements:**

- ❖ Led the implementation of consumer broadband service, Digital Subscriber Loop (DSL).
- ❖ Allocated and managed a \$2 billion capital budget, \$200 million expense budget, and 400 employees to design and implement infrastructure for a regional telecommunications provider
- ❖ Launched outsourcing the program to convert engineering documents to CAD with offshore resources reducing expenses and increasing output.

**Key Duties:**

- Directed organization to plan capital investments for 14 state network infrastructure to maximize the implementation of highspeed network services to the curb.
- Oversee network optimization modeling, network planning, expert witness testimony, engineering, methods and procedures development, and standards contributions to national and international bodies.

**DIRECTOR – VIDEO AND MULTIMEDIA PRODUCT DEVELOPMENT**

**Key Achievements:**

- ❖ Launched 2 new conferencing services (Video conferencing and multimedia conferencing) with a revenue stream of \$135M.
- ❖ Terminated revenue-losing regulated circuit switched video service.

**Key Duties:**

- Responsible for product initiation, resourcing launch, and operations.
- Responsible for marketing, engineering, vendor management, and service operations.

**DIRECTOR – DIGITAL TELEVISION ENGINEERING AND DEVELOPMENT**

Responsible for the design, development, and implementation of an innovative consumer digital television service.

**DIRECTOR – INTERNET DEVELOPMENT**

Responsible for the design, implementation, and operation of the first Internet service and for the Streaming Video service (IPTV)

**DIRECTOR – PRODUCT ACCOUNT MANAGEMENT**

Developed relationships with business partners by evaluating the business organization's needs and proposing solutions from the R&D arm. Developed new business and managed a \$25 million portfolio.

**SENIOR DIRECTOR – DATA NETWORK DESIGN AND ENGINEERING**

**DIRECTOR – LAB AND SYSTEMS MANAGEMENT**

**ACADEMIC EXPERIENCE****Regis University** | Denver, CO

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**EDUCATION ADMINISTRATIVE EXPERIENCE**

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**Founding Academic Dean & Professor** – College of Computer and Information Sciences **2015-present****Key Achievements:**

- ❖ Lead Strategic Planning Process for University
- ❖ Launched MS in Data Science (\$2.25 annual revenue stream in first 3 years).
- ❖ Launched BS in Cybersecurity (Exceeding early enrollment projections)
- ❖ Launched accelerated academic certificates in Full Stack and DevOps
- ❖ Increased Regis University's reputation in the Information Technology (IT) industry in Colorado (RU produces more IT graduates than any other Colorado-based University - CollegeMeasures.org)
- ❖ Increased retention
- ❖ Launched the Center for Common Good Computing to promote ethics and the betterment of society through computing.

**Associate Dean** – College of Computer & Information Sciences**2014-2015****Key Achievements:**

- ❖ Led faculty and staff to develop new processes and procedures for operating the new college through collaboration with admissions, academic records and registration, student services, and other colleges on campus.
- ❖ Re-engaged the CC&IS Executive Advisory Board. As a result, follow on meetings led to Rocky Mountain Collegiate Cyber Defense Competition (RMCCDC) sponsorship.
- ❖ Reached out to industry leaders, and recruited new members to the CC&IS Industry Advisory Council.
- ❖ Proposed Speaker Panel series to Executive Board and Industry Council to build up the CC&IS reputation. Board members expressed interest to support panels with time and money.

**Key Duties:****Chair** – Information Systems Department**2010-2013****Key Achievements:**

- ❖ Led development and operations of 3 graduate degrees (MS in Database Technologies, MS in Software Engineering and Database Technologies, and MS in Information Technology Management).
- ❖ Led development and operations of 2 undergraduate degrees (BS in Business Technology Management and BS in Computer Information Systems)
- ❖ Led the partnership with the National University of Ireland at Galway (NUIG) offering a joint graduate degree – MS in Software Engineering and Database Technologies.

**Key Duties:**

- Develop and manage faculty and develop plans to increase the visibility of programs.

**Program Coordinator** – MS in Information Technology Management (ITM) Program**2002-2013****Key Achievements:**

- ❖ Created MS in ITM program to educate leaders in Information Technology. Built ITM program for 150 students after its launch in 2007.
- ❖ Engineered and maintained a partnership with the global leader in Enterprise Resources Planning (ERP) systems, SAP.
- ❖ Created the graduate certificate in Enterprise Resources Planning (ERP) that was designed to help individuals get to work. The certificate accepted students from all disciplines and provided them with education and experiential learning to build marketable skills.
- ❖ Established a research agenda focused on organizational and social implications of technology innovation.

**Key Duties:**

- Recruit executive-level IT professionals (CIOs, Executive VPs in Software and IT field) for faculty
- Designed and implemented a team approach to recruiting and advising students.

**FOUNDER AND PRESIDENT****Indian Peaks Technology Group** | Lafayette, CO**2000-PRESENT****Key Achievements:**

- ❖ Grew business by providing requirements engineering, management consulting, and project management consulting to Fortune 500, small, and medium companies, and academic institutions.

**TEACHING EXPERIENCE****Regis University** | Denver, CO**1996-2002**

Professor (2015)

Associate Professor (2013)

Assistant Professor (2002)

Information Technology Concepts, Strategic Information Technology, Ethics in Information Technology, Information Technology Project Management, Knowledge Management, Emerging Technologies, and Supply Chain Management. Research Advisor for graduate thesis students.

Affiliate Faculty (1996)

**SUNY** | Buffalo, NY**1985-1986****CURRICULUM DEVELOPMENT**

Regis University, Denver, CO

- Information Technology Ethics MSCI 610
- Strategic IT - MSCI 600
- Presentation of Technical Materials - MSCC 620
- Supply Chain Management - MSCI 625
- Information Technology Research Methods - MSCC 697
- Information Technology Graduate Capstone - MSCC 693
- Graduate Thesis – MSCC 698
- Information Technology Concepts - MSCC 610
- Enterprise Architecture - MSCC 630
- E-Commerce Technology Management – MSCI 620

**SERVICE*****Profession***

ABET (Accreditation Board for Engineering and Technology)

Computing Accreditation Commission (CAC) (2007-Present)

- Officer Chair – Vice Chair, Operations (2023-2024)
- ABET (formerly Accreditation Board for Engineering and Technology)
  - CAC Executive Committee – 2015 – 2018, 2022 - present
  - CAC Commissioner (2010 – 2019, 2020 – present)
  - ABET Program Evaluator – 2007 to 2010
  - ABET Training Council (2012 to 2020)
  - CAC Continuous Improvement Committee (2012-2018)
- Society for Information Management, Colorado Chapter – Board of Directors (2022 to present)
- CSAB (formerly Computer Science Accreditation Board) Board of Directors (2019 to present)

Hack4Colorado - Founding organizer for the 2013 and 2014 Hackathon

Co-organizer, “All Things Mobile” Conference, Denver, CO. August 19, 2012, 3

### ***University Service***

- Search Committee for Provost (2020 and 2023)
- Search Committee for CIO (2021)
- Search Committee for Academic Dean, Rueckert-Hartman College for Health Professions (2017)
- Search Committee for VP of Student Affairs (2018)
- University Strategic Plan, Chair 2019
- Institutional Review Board (2010-2015)
- Center of Excellence for Teaching and Learning (CETL)
  1. Advisory Board (2011 to 2015)
  2. Search committee for Director
- College of Professional Studies Brand Marketing Committee 2012
- Search Committee for Founding Dean College of Business and Economics 2014-2015
- Search Committee for Regis University Chief Information Officer 2012
- Search Committee for MBA Curriculum Faculty
- Search Committee for Associate Dean, Dual Language 2012
- Search Committees for Instructional Designers 2010
- School of Professional Studies Retention Committee 2005
- School of Professional Studies Faculty Development and Evaluation Committee 2006/2007
- School of Computer & Information Sciences***
  - Learning Assurance Committee, Chair
  - SCIS Graduate Learning Assurance Committee, Chair
  - SCIS Undergraduate Learning Assurance Committee, Chair
  - SCIS Leadership Council
  - Undergraduate Accreditation Self-Study Team
  - Graduate program Academic Unit Review Coordinator

## **SCHOLARSHIP**

### **PUBLICATIONS**

Ku, H.-Yu, Plantz-Masters, S., Hosler, K., Diteeyont, W., Akarasriworn, C., & Lin, T. (2012). An Analysis of Educational Technology-Related Doctoral Programs in the United States. In M. Orey, S. A. Jones, & R. M. Branch (Eds.), *Educational Media and Technology Yearbook*, 36, 99- 112. New York, NY: Springer New York.  
doi:10.1007/978 -1-4614-1305-9.

### ***CONFERENCE PRESENTATIONS***

Plantz-Masters, S. (2013). Knowledge Visualization, Tools, and Processes in Virtual Team Collaborative Problem Solving. Presented at the 2013 36th Annual Association for Educational Communications and Technology (AECT) Conference. October 29 -November 1, 2013. Anaheim, CA.

Plantz-Masters, S. (2009). A Study to Explore Adult Learning Implications of Video Content in an Online Learning Environment. Presented at the 2009 32nd Annual Association for Educational Communications and Technology (AECT) Conference. October 28-31, 2009.  
Louisville, KY.

### ***OTHER PRESENTATIONS AND PUBLICATIONS***

Plantz-Masters, S., and Thompson, L. (2011). Plagiarism Proof Assignments. Presented at the Regis University CPS Faculty Development Conference. May 2011.

**REVIEWS**

Editorial Board Journal of Information Systems Education (2022 to present)  
 Peer Reviewer for Journal of Information Systems Education (2012-2022)  
 Peer Reviewer for ACM SIG-CSE Technical Symposium (2024)  
 Peer Reviewer for ACM SIG-MIS Computers and People Research (2014)  
 Peer Review for Special Interest Group, Computer Science Education of the ACM since (2012-2020)  
 Peer Reviewer for the Association for Educational Communication and Technology 2013 Conference: Innovate! Integrate! Communicate!  
 Served as Peer Reviewer for proposals to the Teacher-Scholar Forum at Metropolitan State University, Denver; February 22, 2013.

**WORKSHOPS AND CONFERENCES**

Association for Educational Communication and Technology 2013 Conference: Innovate! Integrate! Communicate!  
 SAP Curriculum Congress, Milwaukee, WI, February 2013

Colorado Technology Association DemoGala, Denver CO, October 2012 QM Applying the QM Rubric Workshop on April 11, 2012  
 SAP Curriculum Congress, San Antonio, TX, March 2012

Colorado Technology Association DemoGala, Denver CO, October, 2011

ASIS&T 2011 Annual Meeting, New Orleans, Louisiana. October 9 -12, 2011, “Bridging the Gulf: Communication and Information in Society, Technology, and Work”  
 SAP Curriculum Congress, Charlotte, NC, March 2010

AECT's Annual International Convention, Louisville, Kentucky, October 28 - 31, 2009 SAP Curriculum Congress, Atlanta, GA, March 2009

**MEMBERSHIPS**

ACM (Association of Computing Machinery)  
 ABET (Accreditation Board for Engineering and Technology)  
 Association for Educational Communications and Technology (AECT)  
 Association of Information Technology Professionals (AITP)  
 Coolest Women We Know (CWWK)  
 Colorado Technology Association (CTA)  
 CSAB (formerly Science Accreditation Board)  
 Institute of Electronic and Electrical Engineers (IEEE) Computer Society  
 International Society for Ethics and Information Technology (INSEIT)  
 Society of Information Management (SIM)

**EDUCATION**

**Ph.D.**, *Educational Technology*, University of Northern Colorado, 2013  
 Dissertation: *Exploring Knowledge Visualization, Tools, and Process in Virtual Team Collaborative Problem Solving*

**MS**, *Telecommunications Engineering*, University of Colorado, Boulder, CO 1984  
 Thesis: *Private Voice Networks: Design and Optimization, Implementation, And Maintenance*

**BS**, *Economics and Political Science*, University of Colorado, Boulder, CO 1982