R i t a   M i t r a
One UTSA Circle • San Antonio 78249 • 646.703.3094 • rita.mitra@utsa.edu

Profile

Dr. Rita Mitra is an Associate Professor in Practice in the Information Systems and Cyber Security Department and the Director of Online Programs at The University of Texas at San Antonio (UTSA). She teaches computer science and cybersecurity courses; manages the design, development, and production of UTSA's first fully online program, the Bachelor of Business Administration in Cyber Security (BBA); and facilitates the development and support of other online degree programs and courses within the College of Business.

Dr. Mitra's computer science background provides the comprehensive technical and content expertise needed to prepare, teach, and map security- and data-centered curriculum. As part of her work, Dr. Mitra prototypes and implements tailored, hands-on labs for various subject areas; tests numerous software and hardware tools for reliability, feasibility, and usability; and forges productive relationships with other technologists across the institution and beyond.

Prior to joining UTSA, Dr. Mitra worked in educational technology and publishing, with a focus on testing, training, prototyping, and curating innovative methods of content delivery in new platforms and applications. Her contributions in these initiatives focused on driving agile innovation and identifying gaps and their accompanying solutions.

Professional Positions

UNIVERSITY OF TEXAS AT SAN ANTONIO

ASSOCIATE PROFESSOR IN PRACTICE, DEPT. OF IS/CYBERSECURITY, COLLEGE OF BUSINESS   2018–

- Teach Inside Cyber (IS 1001), Unlocking Cyber (IS 1003), Intermediate Object-Oriented Programming and Lab (IS 2043/2041), and Operating Systems Security (IS 3033)

- Design and test lab curriculum for the online BBA cybersecurity degree program

- Designed/developed online versions of Telecommunications (IS 3413), Network Security (IS 3423), Information Assurance and Security (IS 3513), Intrusion Detection and Incident Response (IS 3423), Digital Forensics I (IS 4483), Web Application Security (IS 4463), Information Assurance Policy (IS 4473), and Industrial Control Systems (IS 4513)

DIRECTOR OF ONLINE PROGRAMS, COLLEGE OF BUSINESS   2019-

- Develop COB online program plans along with the COB leadership team
- Coordinate online course offerings with key stakeholders
- Monitor operations of COB online programs and courses
- Manage and oversee assessment of accreditation standards for COB online programs
- Monitor design, development, and scheduling of COB online programs
- Supervise a Faculty Development Specialist to provide faculty support and training
- Liaison with Academic Innovation on designs and technologies for online delivery

UNIVERSITY OF TEXAS SYSTEM

LEARNING ARCHITECT, UTSA BBA CYBER SECURITY, UT SYSTEM TECHNOLOGY   2017

- Managed DAD (disciplined agile delivery) and transition of University of Texas San Antonio's online cyber security program

- Trained instructional designers on course development, technology tools, maintenance, and faculty/student support processes

CHIMBORAZO PUBLISHING, INC.

PROJECT MANAGER, CURRICULUM DESIGNER/DEVELOPER, QUALITY ASSURANCE TESTER   2003–2017

- Managed 80 contractors/projects and 25 clients at any given time; recruited new clients and employees; performed technology needs assessments; designed and tested prototypes; developed course materials; researched/implemented agile methodologies in design and organizational processes

MUSIC EDUCATOR/PERFORMER   1982–2003

- Instructed individual/group piano/violin/theory lessons at pre-K–post-secondary levels (private studio, Brooklyn College, Brooklyn Conservatory, Manhattan School of Music)

- Performed solo, chamber, and orchestral works (piano, violin); premiered works of living composers

MCKINSEY & COMPANY

BUSINESS ANALYST   2002

- Analyzed, designed, and developed invoicing application for worldwide billing offices

---

Degrees

NEW YORK UNIVERSITY
    Master of Science, Computer Science   1999–2002
MANHATTAN SCHOOL OF MUSIC
    Doctor of Musical Arts, Piano Performance   1989–1995
JUILLIARD SCHOOL OF MUSIC
    Master of Music, Piano Performance   1987–1989
TEXAS TECH UNIVERSITY
    Bachelor of Arts, Music Performance   1982–1986

Awards/Presentations

Patrick J. Clynes Excellence in Service Endowed Faculty Award, College of Business (December 3, 2020).

Certified Peer Reviewer, Quality Matters (July 12, 2020).

Mitra, R., & Sheehy, L. (Moderator), Fast Track to Success 2020, "Faculty-Student Online Interaction: Tools and Techniques", Competency Based Consortium of Texas, Austin, Texas. (June 10, 2020).

Mitra, R., WiCYS Virtual 20, "Lab Blogging: Transforming Lab Instructions into Student Portfolios", Women in Cybersecurity. (April 15, 2020).

Mitra, R., Coffee Break, "Keeping It Real-Time With Announcements", Office of Digital Learning, JBL Faculty Center. (September 12, 2019).

Mitra, R., Fast Track to Success 2019, "Maker Moments", Fast Track to Success (Austin Community College), Austin, Texas. (June 12, 2019).

Grant, K. P. (Moderator), & Mitra, R., Ramirez, M., Arcolin, C. (Presenters), WCET Annual Conference, "From Residential to Online: The Transformation of a Cyber Security Program", Western Cooperative for Educational Technologies, Portland, Oregon. (October 22, 2018).

Mitra, R., UTSA Libraries' Adopt a Free Textbook Grant (2018-2019). "Introduction to Cyber Security".

Leal Vasquez, L. C., & Mitra, R., "Technology-Focused Sustainability in a Mobile Modality", USDA-NIFA STEM grant proposal for WSTEM (approved by Limited Submissions, November 18, 2019). Aborted.

Grant, K. P., & Mitra, R., UTSA CyberRunners Summer Camp.
Texas Workforce Commission Governor's Summer Merit Program. Selected by UTSA for limited submission (July 2019). Delayed.

Mitra, R., "Assessing Security-by-Design in the Internet of Medical Things (IoMT) Technology Life Cycle (TLC)", Johnson & Johnson Scholars Program, Women in Stem2D Grant Proposal. Selected by UTSA for limited submission. Not awarded.

Service

STUDENTS

Internship Supervisor, College of Business. Garza, Candice. "Augmented Reality and Experiential Learning." (May 26, 2020 - August 7, 2020).

Internship Supervisor, Department of Information Systems and Cyber Security. Leal Cano, Karen. "Bash Scripting in Linux and Windows Environments" (October 15, 2020 – November 15, 2020).

Internship Supervisor, Department of Information Systems and Cyber Security. George, Jithu. "Augmented Reality in Forensics Classes." (February 1, 2020 - April 1, 2020).

Faculty Coordinator, College of Business "Grader Pool". (Fall 2020-Spring 2021).

Faculty Advisor, Online Cyber Security Alliance (OCSA) Student Organization (2018-present).

Faculty Coordinator, Online BBA in Cybersecurity Program "Coaches" (2018-present).

Reviewer, Office of Undergraduate Research Student Presentations (April 25, 2019).

Lab Assistant Supervisor, Department of Information Systems and Cyber Security. Jackson, Sienna. "NPS Labtainer Assessment and Development" for (January 1, 2018 - December 30, 2019).

FACULTY

Faculty Lead, Provost's Peer Mentoring Team (Fall 2020)

Faculty Participant, Provost's Peer Mentoring Team (Summer 2020)

Point of Contact, Faculty Champions, College of Business (Summer 2020-Spring 2021)

COMMITTEES

Member, University Tactical Team 2 (Summer 2020)

Member, University Education Abroad Scholarship Committee (2020)

Member, COB Scholarship Committee, (2018-present)

Co-Chair, COB Ad Hoc Technology Committee (2020-present)

Chair, ISCS Introductory Sequencing Committee (2019-present)

Member, ISCS Programming Committee (2019-present)

Secretary, ISCS Department Faculty Forum (2018-Present)
Member, OIT Faculty Advisory Committee, (2018-2019)
Member, Hiring Committee, Director of Educational Technology, University of Texas at San Antonio (2018)

EXTERNAL
Conference Coordinator, Fast Track to Success Conference, Competency-Based Consortium of Texas. (2018-2020)
Chair, Board of Directors, The Walden School (2017-present)

Professional Development/Conferences (Selective)

ACUE Effective Online Teaching Practices Course, Association of College and University Educators, Online. (Fall 2020-Spring 2021).
GitHub Universe, GitHub, Online. (December 8-10, 2020)
Global Diversity and Inclusion Summit 2020, AACSB, Virtual. (December 7-9, 2020)
NICE Conference, NICE (National Initiative for Cybersecurity Education), Online. (October 27-November 16, 2020)
Peer Reviewer Course (PRC), Quality Matters, Certificate awarded. Online.
Improving Your Online Course (IYOC), Quality Matters, Online. Certificate awarded. (October 22-November 7, 2020)
Evaluating Your Course Design (EYCD), Quality Matters, Online. Certificate awarded. (May 27-June 11, 2020)
Quality Matters West Regional Conference, Quality Matters, Online. Certificate awarded. (April 2-3, 2020)
Applying the QM Rubric (APPQMR), Quality Matters, Online. Certificate awarded. (March 10-March 26, 2020)
EduTech 2019 Teaching with Technology Conference, Alamo Colleges. (November 8, 2019)
Quality Matters Connect Conference, Quality Matters, Dallas, Texas. (October 27-30, 2019)
Texas Cyber Summit 2019, Texas Cyber Summit, San Antonio, Texas. (October 10-12, 2019)
Palo Alto Networks Ignite '19, Palo Alto Networks, Austin, Texas. (June 3-6, 2019)
Provost Academy for Teaching Excellence, UTSA Teaching and Learning Services, San Antonio, Texas. (May 20-22, 2019)
New Faculty Institute (Research): Grantsmanship 101: Keys to writing effective proposals. (November 8, 2018)
Online Teaching Academy, UTSA-OOL, Certificate awarded. (Summer 2018)

Professional Memberships

Association for Computing Machinery
Information Systems Security Association
National CyberWatch Center
National Cybersecurity Training and Education Center
Quality Matters
SANS Institute
Women in Cybersecurity (WiCYS)