We are pleased to present the annual edition of this publication to honor the creative, community and scholarly work of Fitchburg State University faculty and librarians. This booklet offers an opportunity to recognize and celebrate the intellectual and creative achievements of our faculty and librarians. These activities both spring from and feed our central teaching mission. Reflected in these pages is the dedicated work of a community of scholars.

PUBLISHED MAY 2022
Lilian Bobea  
**Behavioral Sciences**

### Changing the Paradigm
Transforming the culture of policing is a trending topic in the United States, but it’s an issue that transcends national boundaries.

Dr. Lilian Bobea has spent years researching police reform in Latin America and the Caribbean. She has also contributed, twice, to the process of designing a national citizen security strategy that focuses on crime prevention and creating an institutional and social framework for the reform of the police.

“It’s more than training and education,” Bobea said. “It’s totally changing the militaristic paradigm of the police force that echoes the authoritarian past that still permeates some public institutions and is recreated through a culture of coercion and control in the Dominican Republic.”

There are 38,000 officers in the Dominican Republic’s police force, she said, and changing the system will mean rethinking use-of-force policies and establishing the need for and meaning of police professionalism, and the role that higher education plays in achieving it.

Bobea discussed Fitchburg State’s own five-year police program, which fuses academics and skills training and results in certification to serve in municipal police departments across Massachusetts and other states. The future officers who complete the program have the skills to address the complex issues they will face in the field.

“I’m relying a lot on my experience here, because this is not only a unique program in the U.S., but all over the world,” Bobea said. Fitchburg State’s model is interdisciplinary and creates empathy and the ability to hear other voices and opinions.

Changing police training is a long-term challenge, she added, and it is one that police with whom she has worked in the Dominican Republic seem to recognize. “There’s acceptance at the rhetorical level,” she said. “In the last 20 years, they’re realizing the old model has to change to reflect and serve a society that is fighting to consolidate its democracy. Even though they are on an island, they are part of global trends.”

In the U.S. and abroad, it’s worthy work that Bobea is proud to continue. “You can’t believe the myth about ‘rotten apples,’” she said. “These are issues of institutional culture. The change has to come from inside and outside. You cannot reform any organization if the people that constitute that institution are not willing to change.”

Recently, Dr. Bobea obtained a university professional development grant to initiate comparative research on police reform in Mexico, The Netherlands, Dominican Republic and the United States. The research proposal, “Is structure the essence? How police reform works in centralized v. decentralized police institutions,” will explore what is meant by ‘police reform’ in the first place, and what underlying factors or agendas propitiate structural changes in those countries.

### “These are issues of institutional culture. The change has to come from inside and outside.”

—Dr. Lilian Bobea

Jonathan Harvey  
**Humanities**

### Breaking Down Barriers
Jonathan Harvey has seen first-hand how music can bring people together. It’s certainly something he’s seen in the scholastic setting, as director of the university’s choral programs and as a member of the Humanities Department faculty.

“The ensembles really do build community among the students,” he said. “You create these deep connections based on artistic expression.”

Historically, there has been a long-standing stereotype of the conductor as an autocrat, Harvey noted. “That doesn’t really fly with me,” he said. “I prefer the idea of the conductor sharing something personal and asking for something in return. I like leveling those walls.”

That notion of personal engagement is echoed in the work of the university’s Faculty Academy, in which Harvey has participated. The academy’s work is built around educator and researcher Paul Hernandez’s “Pedagogy of Real Talk,” and its approach—in which faculty are encouraged to foster connections with students and make the curriculum accessible—resonates with Harvey.

“We’re humanizing each other and breaking down some of the barriers,” he said.

As an outgrowth of this practice, Harvey presented “Real Talk in the Choral Rehearsal” at the International Symposium for Research in Choral Singing in April 2022, and it will be the topic of future presentations and writing, as well.

The Real Talk approach also includes alternative lessons, in which students are encouraged to view the musical pieces they are studying through personal lenses, from the lyrics to the composer’s life and social context. “We’re learning about the music and each other in this whole discussion,” he said.

He has also explored this terrain through alternative settings for musical performance that particularly resonate with students’ lives, such as churches and online platforms, as well as choices of musical repertoire that speak to student concerns.

Beyond his work with students and choral ensembles beyond campus, Harvey’s scholarship interests include the 16th century composer Adrian Willaert. In a piece he published in the Choral Scholar & American Choral Review in 2021, Harvey looked at Willaert’s efforts to set the words of ancient Roman poet Virgil to music.

Like other Renaissance artists, musical composers took inspiration from the ancient Greeks and Romans, but without noted examples of ancient music, Willaert and others had no written frame of reference to use. Instead, Willaert connected to antiquity by setting excerpts from Virgil’s Aenid to music. Harvey’s scholarship includes a detailed musical and textual analysis of these works, as case studies of humanistic musical practice.
Nellipher Lewis Mchenga

NURSING

This approach utilizes a strength-based model for teaching resilience by using active coping, building strength, increasing cognitive awareness, and facilitating social support.

“The approach is to help students discover their own existing strengths and learn new skills to build resilience...”

...It’s giving them that permission to ask for help.”

Part of the Solution

Nellipher Lewis Mchenga has seen first-hand the stresses faced by college students navigating their studies while coping with a global pandemic. Developing a sense of resilience has been crucial to their success in this time, and it is a skill that will serve them for the rest of their lives.

Now in her third year with Fitchburg State’s Nursing Department, Lewis Mchenga, who grew up in the African nation of Malawi, is proud that she has helped cultivate an attention to resilience for its students through the First-Year Experience. “The goal is to have them graduate and go out and succeed, because there is a critical shortage in nursing,” she said.

There is also a shortage of nurses of color, which is another population Lewis Mchenga strives to support. “I want to be a role model for students of color,” she said. “I want to be part of that solution.”

Lewis Mchenga was attracted to Fitchburg State’s Nursing program in part because of its relative diversity of students. Her work in helping build resilience will hopefully support their continued success, she said.

Soumitra Basu

ENGINEERING TECHNOLOGY

Scholarship

UNDERGRADUATE RESEARCH PROJECT SUPERVISION:

- Structural Analysis of a Revolute Pick and Place Robot. The objective of this project is to examine the deformation under static load of a “pick and place” robot with 2 revolute joints. (To be presented at the Massachusetts Undergraduate Research Conference on April 22, 2022 and at the Fitchburg State Undergraduate Research Conference on April 21, 2022).
- Cross-contamination Prevention Algorithm: When multiple vents open into the same ventilation duct, there is a possibility of air and contaminants moving from one space to the other. An innovative software controlled mechanism to selectively open and close vents to different spaces is discussed. (To be presented at the Fitchburg State Undergraduate Research Conference on April 22, 2022).
- Ventilation System in a Shopping Mall: The quality of indoor ventilation is dependent on the performance of ventilation systems that include fans, filters, baffles, and an electronic control system. Results of ASHRAE and CDC mandated ventilation parameters are presented on spreadsheets. (To be presented at the Fitchburg State Undergraduate Research Conference on April 21, 2022).
- Arduino-Based Demonstration of a Ventilation Plan: The Arduino based demonstration ventilation plan provides a convenient method to display how to prevent cross contamination and maintain recommended air changes per hour. The work presented employs LED lights that indicate the opening and closing of vents and the speed of the ventilation system fan. The Arduino is programmed in a C-Deact for a given algorithm. The visual facilitates communication of the proposed solution and simplifies the process of responding to changing needs. (To be presented at the Fitchburg State Undergraduate Research Conference on April 21, 2022).

Scholarship

POETRY PUBLICATIONS:

- “Management of Lunatics, with Illustrations of Insanity,” Literary Hub, April 19, 21. (Reprint)

CREATIVE NONFICTION:

- “Lucille Clifton,” blog post for Adrian Koesters’ writing blog, Jan 22, 2021.

BOOK REVIEWS:


INTERVIEWS:

- “Colophon: Conversations about Publishing presents DeMisty D. Bellinger,” University of Nebraska-Lincoln, March 10, 2021.
Creative Activity

READINGS:
- Wrexham Road Reading Series, hosted by the Writing Institute at Sarah Lawrence College, virtual reading with DeMisty D. Bellinger, Patricia Dunn, Christopher Gonzalez, Michael J. Seidlinger, and Joann Smith, November 16, 2021.
- A Virtual Conversation with Beth Gilstrap, DeMisty Bellinger, and Ursula Villarreal Mora, A Room of One’s Own Bookstore, forthcoming October 26, 2021.
- Larksong Writer’s Place First Friday Luncheon Reading Series with DeMisty D. Bellinger, virtual, October 1, 2021.
- TGI: The Greatest Indoor Online Reading Series, reading with Donna Kaz, Laura Bogart, Elizabeth Kadetsky and DeMisty D. Bellinger, March 26, 2021.

Community Service
- Board member for Worcester Children’s Chorus, Diversity, Equity, Inclusion, and Access Committee chair.
- Board member for AWKP (Association of Writers & Writing Programs), Northeast Council Chair and Publications Committee Chair.
- Juror for Best of the Net nominees in poetry for Best of the Net 2021.
- Juror for Prairie Schooner Book Prize in fiction and poetry.
- Judge for Mythic Picnic Tweetstory contests.
- Poetry editor for Porcupine Literary.
- Poetry editor for Malarkey Press.

Lilian Bobea

BEHAVIORAL SCIENCES

Scholarship
- In March 2022, the Interamerican Development Bank and the Colombian Police invited Dr. Bobea to take part in an international conference on Citizen Security with a presentation on “Police Transformation in Latin America and the Caribbean: Building the Police of the Future.” Colombia’s president, Ivan Duque Marquez, opened the conference, which included experts from Latin America, France, Spain, Canada, Spain, Sweden, and the Caribbean, as well as the United States. In her discussion of how communities react to the use of force, Dr. Bobea shared information about how Fitchburg State University provides higher education for police officers, an approach to police preparation that is virtually unknown in Latin America. Although the event was by invitation only, more than 2,000 people connected virtually.
- Dr. Bobea recently published “Civil-Military relations in the Dominican Republic,” a comprehensive picture of recent changes in the Dominican military and their impact on civilians in a democracy.
- Dr. Bobea’s most recent publication, “Guidelines for the design and implementation of citizen security strategies: Lessons learned and best practices from the Dominican Republic,” was published in February 2022 by the Friedrich Ebert Stiftung Foundation. The essay, in Spanish, analyses different attempts to create national security policies while reforming the country’s national police force.

Community Service
- In April 2021, the President of the Dominican Republic, Luis Abinader, invited Dr. Bobea to serve as an adviser to the Dominican National Police. In that role, Dr. Bobea has been working with a team of experts on the reform of the structure, pedagogy and curriculum of police education.

EB Caron

PSYCHOLOGICAL SCIENCE

Scholarship
- Peer-reviewed Journal Articles:

CHAPTERS:

CONFERENCE PRESENTATIONS:


CAMPUS TALKS:
- Student Research Mentored: Presentations at Annual FSU Summer Research Conference.

Robin Chataut

COMPUTER SCIENCE

Scholarship
- Reviewer for:
  - The Clinical Supervisor
  - Frontiers in Public Health
  - The Journal of School Nursing
  - BMI Open

PUBLICATION:

PRESENTATION:
- An Efficient and Fast-Convergent Detector for 5G and Beyond Massive MIMO Systems. The 12th Annual Ubiquitous Computing, Electronics & Mobile Communications Conference (IEEE UEMCON 2021), New York, USA.

GRANTS:
- Received MSCA Professional Development Grant for Summer Research. Submitted two external grant proposals (NSF and NEH, both pending).

Creative Activity
- Conducted research in the areas of 5G, 6G, and beyond networks, vehicular communication, smart cities computer networks, and the Internet of Things.

Community Service
- Topics Board Editor: Sensors Journal, MDPI
- Review editor on the Editorial Board: Frontiers in Artificial Intelligence
SCHOLARSHIP
James Colbert
ENGLISH STUDIES
HUMANITIES – EMERITUS

POPULAR PRESS ARTICLES:

When Good Intentions Converge with Fear: Self x
Considering Family and Community Literacy Through x

CONFERENCES:

IEEE, IEEE Young Professionals, Future Networks
Community, IEEE, American Society of Nepalese
Engineers.

James Colbert
HUMANITIES – EMERITUS

Scholarship
Translation of Étienne Gilson, The Tribulations of Sophia,
South Bend, Indiana: St. Augustine’s Press, 2021.

Katharine Covino
ENGLISH STUDIES

Scholarship

SCHOLARLY PUBLICATION:


CONFERENCE PRESENTATIONS:


POPULAR PRESS ARTICLES:


Christine Devine
NURSING

Scholarship

PRESENTATIONS:

- Oral Presentation (streamed): “Nursing Student Perceptions of Nursing Faculty as Role Models of Academic and Clinical Integrity.” St. Anselm College Sigma Theta Tau International, Epsilon Tau-at-Large Chapter: Spring Spotlight on Research, April 14, 2021.

Community Service

- Member, Massachusetts Medical Reserve Corps (MRC) Wachusett Unit. Throughout the pandemic I have volunteered to administer vaccinations at local clinics.
- I have also facilitated student involvement in these vaccination clinics in Rutland and Gardner, MA.
- Poster Reviewer, Massachusetts Rhode Island League for Nurses (MARILN) Fall and Spring Conferences.

Jane Fiske
HUMANITIES

Scholarship

- Participated in the 41st Annual International Conference on Critical Thinking, 2021 Virtual Conference, in July 2021. Her paper presentation, “Critical and Creative Thinking in Action: Playing the Piano,” focused on how playing the piano requires students to actively engage with the musical knowledge domain (critical thinking) and form conclusions about that knowledge in original and imaginative ways (creative thinking). The presentation was part of her Spring 2021 sabbatical research project.

Jonathan Harvey
HUMANITIES

Scholarship

- “Real Talk in the Choral Rehearsal.” American Choral Directors Association Massachusetts Annual Conference (remote), July 13 2021.

Creative Activity

- Fitchburg State University Chamber Choir and Concert Choir video performances for Black History Month, January 2021.
- Brattleboro Concert Choir spring 2021 virtual concert cycle, January - April 2021.
- Brattleboro Concert Choir fall 2021 in-person concert cycle, September - December 2021.
- “Music Mega-Mix” collaborative concert, Fitchburg State Concert Band, Community Orchestra, Chamber Choir, Concert Choir, and Modern Jazz Band, October 2021.

Community Service

- Choral Arts New England board member (Grants Committee chair, DEI task force member, handbook revision committee member).
- Collegiate Chair, American Choral Directors Association Massachusetts chapter.
- “Civic Learning and Engagement in the New LABS Curriculum” presenter, Fitchburg State University Faculty Development Day, January 2021.

Michael Hoberman
ENGLISH STUDIES

Scholarship

- Berkshire Museum, Pittsfield MA, featured speaker on Herman Melville’s literary legacy (November 2021).
- 41st International Conference on Jewish Genealogy, Philadelphia, keynote speaker on early Jewish settlers of the Americas (remote access through the IAJGS, August 2021).
- Katz Center, University of Pennsylvania. Seminar respondent for paper by Heather Nathans, “Playing in the Land of Milk and Honey: the Charleston Stage, 1793-1808” (remote access through the Katz Center, March 2021). 
- Greenfield Community College. Featured lecturer on the sense of place in American literature, Senior Symposium (remote access through Greenfield Community College, February 2022).

Michael Hove
PSYCHOLOGICAL SCIENCE

Scholarship

- “Collegiate Virtual Workshop” coordinator, American Choral Directors Association Massachusetts Chapter, February 2021.
- “Women in the Arts” online celebration coordinator, Fitchburg State University, March 2021.

Melissa Dunn
NURSING

Scholarship

- Research News Post Content Editor and Research Committee member, International Family Nursing Association.

PUBLICATION:


PRESENTATION:


Jane Huang
EARTH & GEOGRAPHIC SCIENCES

Scholarship

- RESEARCH PROJECT GRANT:
  - Assisted the Freedom’s Way Heritage Association in mapping the conserved lands in the Freedom’s Way National Heritage Area, a federally designated area encompassing portions of northern Massachusetts and southern New Hampshire. The ultimate goal of the project was to support the Biden Administration’s “America the Beautiful - 30 by 30” initiative, which aims to conserve 30 percent of the nation’s land by 2030. Conserved lands maps of the area were updated/created using a geographic information system (GIS) and online interactive mapping tools were developed. Two Geographic Science and Technology students were involved in the research project.

Amy Kendrick
NURSING

Scholarship

- Member: Fitchburg State University Open Education Community of Practice.

Community of Service

- Covid-19 Vaccine Clinic Volunteer: City of Worcester; Heywood Hospital.
- Reviewer: Journal of School Nursing; Volunteer: Fitchburg State University Falcons Supporting Falcons.
**Megan Krell**
**BEHAVIORAL SCIENCES**

**Scholarship**
- Editorial Review Board Member, Comparative School Counseling 2021 Conference Proceedings.

**Community Service**
- Association for Counselor Education and Supervision, Budget and Finance Committee Appointee.
- Massachusetts School Counselor Association - Board Member, Emerging Leader Liaison, and Bylaw Committee Member.
- North Atlantic Region Association for Counselor Education and Supervision - Treasurer and Awards Committee Member.
- Tau Upsilon Alpha, Kappa Nu Chapter, Faculty Advisor.
- United Way of North Central Massachusetts, Community Investment Site Visit Team Member.

**Mathangi Krishnamurthy**
**BIOLOGY & CHEMISTRY**

**Scholarship**
- Contributions to the American Chemical Society (ACS): Chemistry Olympiad (USNCO) coordinator for Central MA ACS section.

**Community Service**
- Volunteer, fundraiser, and participant, Perennial Walk and Ride to Thrive, Virginia Thurston Healing Garden, Harvard, MA.
- Team leader, Legacy of Hope Capital Campaign, Diocese of Worcester.

**Monica Maldari**
**EXERCISE & SPORTS SCIENCE**

**Scholarship**

**Manuscript in Preparation:**
- Monica M. Maldari, Jeanette M. Garcia & David J. Rice. Student experiences in a mandatory health and wellness course: A qualitative investigation (manuscript in preparation). Exercise and Sports Science Department, Fitchburg State University.

**Grant Recipient:**
- Fitchburg State University Open Educational Resource (OER) grant. $500 award to source high quality, no-cost, freely accessible materials for EXSS 3600 Exercise Responses and Adaptations in Special Populations course.

**Nirajan Mani**
**ENGINEERING TECHNOLOGY**

**Scholarship**

**AWARDS & GRANTS:**
- Received "Perkins Teacher Externship Program" grant of amount $400,000 from the Department of Education (Massachusetts Department of Elementary and Secondary Education) in summer 2021.

**Creative Activity**
- Conducted externship program for high school teachers (program conducted collaborating with Dr. James Alicata and Dr. Wayne Whitfield).
- Conducted research activities related to smart city, modular construction, labor productivity, construction safety and e-construction in collaboration with faculty members at various universities, such as Florida International University of Nebraska-Lincoln, University of Dayton, Missouri Western State University, Central Connecticut State University, Texas State University, Washington State University, and East Tennessee State University.

**Community Service**
- Reviewed journal and conference papers for "American Society of Civil Engineers (ASCE)" journal publications, "Construction Research Congress" conference, and "Associated Schools of Construction" conference.
- Volunteered in Newah Organization of America – New England Chapter, Boston, Massachusetts.

**Tara Mariolis**
**NURSING**

**Scholarship**

**Community Service**
- Recipients, White Coat Ceremony Grant (2021). American Association of Colleges of Nursing. On behalf of FSU Department of Nursing. ($1,000).

**Amy McGlothin**
**HUMANITIES**

**Scholarship**
- Recipient of ROTEL Grant for OER Adaptation for Music Appreciation textbook.
- Recipient of FSU Grant for OER Adaptation for World Music Textbook.

**Creative Activity**
- **RECORDINGS:**
  - Triage Woodwinds “Music of Brandon Nelson” – Mixing and Mastering Completed, to be released early 2022.
  - Phoros Quartet - “20,000 Hours” Recording completed in November 2021, Mixing and Mastering In Progress, to be released mid-2022.

**Community Service**
- Massachusetts Music Educators Northeast District Judge for Saxophones: Junior and Senior District.
- Clan MacPherson Pipes and Drums Music Director.
- Women in Music virtual school presentation with Greenup, KY school district.
- Saxophone Masterclass with Pennsylvania Music Educators District 9 Honors Band.
- Guest Interviewer for Fitchburg Historical Society "I Remember When" Episode 3.

**Nellipher Lewis Mchenga**
**NURSING**

**Scholarship**
- Peer-Reviewed Manuscript:
Community Service

- Instructor, Breaking the silence workshop for women who work with girls and women in rural Malawi. This workshop was organized by the voice flame organization to train influential women on how they can empower girls and other women.
- Diversity, Equity and Inclusion in the Workplace Certificate, offered by University of South Florida, Muma College of business.
- Speak up champion, Speak up for Black Women, Speak up against racism conference, institute for Perinatal Quality Improvement.
- Invited Guest Scholar, The ethics of caring with compassion, Junior Nursing students at University of Massachusetts Amherst.

GRANTS:
- Received FSU Special Projects course release grant for data analysis of the strengths based intervention project.
- Received FSU Special Projects to hire Research Assistants. Two senior nursing students were hired as RAs to assist with data entry. Received Professional Development funds ($586) to purchase resources for mindfulness for Nursing faculty.
- Received financial grant ($1,500) from Calmer Choice to get trained as a mindfulness instructor. Currently, I am being trained as a mindfulness instructor until June, 2021.
- Received special grant ($400) to attend the Breaking the Silence Circle.

Community Service

- Faculty Advisor, First love Fitchburg.
- Advisory Board Member, Voice Flame, California.
- Co-founder, Youthline Organization.

Workshops and Presentations:

- Author, United way of caring.
- Reviewer, Beta Zeta at-Large Chapter, Sigma Theta Tau International (Reviewed abstracts for poster and oral presentations for the annual conference.
- Board of Director, Angels of Malawi.

Zachary Miner

Behavioral Sciences

Scholarship


Jessie Oehrlein

Mathematics

Scholarship

Peer-Reviewed Publication:


Presentation:


Community Service

- Co-organizer, Joint Mathematics Meetings Project NExT session on Establishing Interdisciplinary Collaborations in Teaching and Research.
- Fall 2021 Graduate School mentorship Initiative and Geoscience Education & Mentorship Support mentor for students applying to graduate school in statistics and climate science.

Andrea Olmstead

Humanities

Creative Activity

Exhibitions:

- The Little One, ArtsWorcester, Worcester, MA.
- 11th Annual State of Clay, Lexington Arts and Crafts, Lexington, MA.
- They Traveled Together. Davis Gallery at ArtsWorcester, Worcester, MA.

Volunteer, United way of caring.

Review, Beta Zeta at-Large Chapter, Sigma Theta Tau International (Reviewed abstracts for poster and oral presentations for the annual conference.

Board of Director, Angels of Malawi.

Benjamin Raitlon

English Studies

Scholarship

- Bimonthly Considering History column for the Saturday Evening Post.

Other columns based on of Thee I Sing:
- US Intellectual History blog: https://s-usih.org/2020/10/were-still-not-talking-about-the-patriotism-america-needs/
- The History News Network: https://historynewsnetwork.org/article/177405
- The Washington Post’s Made by History blog: https://www.washingtonpost.com/outlook/2021/03/05/real-message-behind-that-golden-trump-statue/

Daniel Sarafield

Economics, History, & Political Science

Scholarship

Presentation:


Community Service

- Chair/Commentator for “Panel B: The Roman World” at the Phi Alpha Thetas 2021 New England Regional History Conference. Saint Anselm College, Manchester, New Hampshire (Saturday, March 27, 2021).
- Judge for regional and national essay competitions, North-South Foundation (Spring and Summer 2021).
- Continues to serve as Chairman of the City of Fitchburg’s Board of License Commissioners.

Hildy Schilling

Psychological Science

Scholarship

- Data Analysis with Thomas Schilling & Beth Walsh in Fitchburg.

Creative Activity

- Conducted (and played violin for) Fitchburg State Orchestra’s series of Music & Moonlight performances at Saima Park, Fitchburg.

Community Service

- Instructor & Conductor, Alan McCulloch String Orchestra’s series of Music & Moonlight performances at Saima Park, Fitchburg.

Charles Sides

Communications Media

Scholarship

- “Editors Roundtable,” Special Interest Group on Design of Communication (SIGDOC), Association of Computing Machinery (ACM), Fall, 2021.
- Community Service:

Joshua Spero

Economics, History, & Political Science

Scholarship

- “Bridging the Transatlantic Divide Strengthens the US” / The Hill (January 12, 2022).

Creative Activity

- Google Meet sessions with Rhine-Waal University (Germany / RWU) faculty and students in FSU/RWU course-to-course (FSU / “Europe Today” Course) simulation crisis management games during the spring 2021 semester /“Europe Today” Course – as part of the expanding FSU-RWU partnership.

Community Service

Peter Staab
MATHMATICS

Scholarship
PUBLICATIONS:

TALKS:
• “‘What’s New in WeBWorK”, E-Assessment in Mathematical Sciences Conference, with Marrianna Bonasono, Andew Parker, Glenn Rice, Peter Staab, (June 2021).

Connie Strittmatter
AMELIA V. GALLUCCI-CIRIO LIBRARY

Scholarship

Community Service
• Committee Member, BRASS, Education Committee Guide Review, American Library Association.
• Co-author with Jacalyn Kremer of Massachusetts Department of Higher Education OER Assessment KPIs Implementation Guide.
• SPARC. Discussion leader for 1) Open Education Leadership Program & 2) Monthly conference call on OER Assessment.
• Peer Reviewer, Marketing Library Journal.
• Peer Reviewer, Journal of Copyright and Education in Libraries.
• Trustee, Hubbardston Public Library.

J.J. Sylvia, IV
COMMUNICATIONS MEDIA

Scholarship
PUBLICATIONS:

PRESENTATIONS:
• Carrigan, Mark. 2021. “What are the main challenges universities face in adopting digital technologies?” Post-Pandemic University. Micropodcast.
• Kaluzny, Cate and J.J. Sylvia IV. Rubrics for Teaching and Learning. Fitchburg State University.

Creative Activity
• Public Domain Library: A Free Educational LibraryBox Pop-up Exhibit, Fitchburg State University
• Logic-Based Consultation Primary Certification from the Logic Based Therapy and Consultation Institute.
• Community Service
• The Ethics of Technological Addiction. Online Public Discussion via Google Meet. May 5.
• The Ethics of Social Media Use by Children. Online Public Discussion via Google Meet. April 26.
• The Ethics of COVID-19 Communication. Online Public Discussion via Google Meet. April 15.
• Reviewer Board, Information journal.
• Reviewer Board, Future Internet journal.
• Reviewer Board, The Journal of Interactive Technology & Pedagogy.
• Reviewer, Healthcare journal.
• Reviewer, Griffith Law Review journal.
• Reviewer, Mathematics journal.
• Reviewer, Journalia journal.
• Reviewer, Humanity and Society journal.
• Reviewer, Education Sciences journal.
• Reviewer, Social Sciences journal.
• Reviewer, Applied Sciences journal.
• Reviewer, Sustainability journal
• Reviewer, Electronics journal
• Reviewer, Journal of Technical Writing and Communication.

Teresa Fava Thomas
ECONOMICS, HISTORICAL, & POLITICAL SCIENCE

Scholarship
• “Italian Diaspora in a Massachusetts Mill Town: Migration Between Palestrina (Lazio) and Southbridge, Massachusetts,” in Diasporic Italy, journal of the Italian American Studies Association, University of Illinois Press, October 2021.
• Interview, “From Italy to Fitchburg and Back,” article by Eric Busch in Research Live, publication of the Center for Faculty Scholarship, n. 9, October 2021, pages 4-5.

Creative Activity
• Host Noi Eravamo [We Were] directed by Leonardo Tiberi, Festival di Cinema Italiano, for the Center for Italian Culture Film Series, October 20, 2021.
• Host virtual book club, Saving Italy: The Race to Rescue a Nation’s Treasures from the Nazis, by Robert M. Edsel, virtual Book Club of the Center for Italian Culture, February 11, 2021.

Community Service
• Advisory Board member, Center for Italian Culture; and member CIC Archives Committee.

Daniel Welsh
BIOLOGY & CHEMISTRY

Scholarship
• Created a class-developed website about the fishes of the Nashua River Watershed. (https://fishesofnashauriverwatershed.weebly.com/)
• Acted as a reviewer for the journal Zoo Biology and reviewed a scientific manuscript submitted for publication to the journal.

PEER-REVIEWED JOURNAL ARTICLE:
• “‘Spawning substrate shift associated with the evolution of a female sexual characteristic in a family of fishes’ was published in the May 2021 volume of the Biological Journal of the Linean Society.

PRESENTATION:
• “Patterns of variation in fish scale size within individuals and across populations” was presented at the April 2021 Northeast Natural History Conference.

Community Service
• Served as a judge at two science fairs, the Nashoba Regional Science Fair and the Worcester Regional Science & Engineering Fair.
**Eric Williams**  
**BIOLOGY/CHEMISTRY**  

**Scholarship**

**PUBLICATIONS:**

**Creative Activity**

**GRANTS:**
- Davis Educational Foundation grant, Faculty Liaison. Fall 2021 – Spring 2022.
- National Science Foundation (NSF) DRK-12, Investigating a Theory of Mindfulness-based Inclusive Practice (M-bIP) in Early College High Schools (Pending).

**JOURNAL & CONFERENCE PAPER:**
- Study of Low-Magnitude Earthquake Detection by DV-Hop Algorithm (Processing).

**Community Service**
- Senior Member, Institute of Electrical and Electronics Engineers (IEEE).
- Member, IEEE Electron Devices Society (EDS).
- Chairman, Robot Society of IEEE Worcester County.
- Judge, Worcester Regional Science and Engineering Fair.
- Judge, FIRST LEGO League Challenge Qualifier.

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**Hong Yu**  
**ENGINEERING TECHNOLOGY**

**Scholarship**

**JOURNAL PUBLICATIONS:**

**JOURNAL AND CONFERENCE PUBLICATION PEER-REVIEWER:**
- Peer reviewer, IEEE Transactions on Neural Networks and Learning Systems, 2021.
- Peer reviewer, 2021 IEEE World AI IoT Congress conference papers.

**Creative Activity**

**GRANTS:**
- Peer reviewer, IEEE Transactions on Neural Networks and Learning Systems, 2021.
- Peer reviewer, 2021 IEEE World AI IoT Congress conference papers.

**JOURNAL & CONFERENCE PAPER:**
- Study of Classification of Human Emotion Features from EEG Signals at Minimum Free Energy Operated Effortlessly (Processing).

**Community Service**
- Senior Member, Institute of Electrical and Electronics Engineers (IEEE).
- Member, IEEE Electron Devices Society (EDS).
- Chairman, Robot Society of IEEE Worcester County.
- Judge, Worcester Regional Science and Engineering Fair.
- Judge, FIRST LEGO League Challenge Qualifier.