



# Community of Scholars

## PROFILES OF FACULTY AND LIBRARIAN SCHOLARSHIP

Highlights of Research, Publications, and Creative Activity

JANUARY 2021 — DECEMBER 2021

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.

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A green vertical banner hanging from a black lamppost, featuring the Fitchburg State University logo and the text 'FITCHBURG STATE UNIVERSITY' in white, sans-serif capital letters.

FITCHBURG STATE  
UNIVERSITY



**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 trust with the country's civilian population.

For Bobea, the topic is more than a research interest. In March, she was part of an international conference on citizen security organized by the Interamerican Development Bank and the Colombian Police. That event was introduced by Colombian President Ivan Duque Marquez and included experts from across the globe.

One of the main topics discussed with countries' ministers, high ranking police, and policymakers was

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."**



**Jonathan Harvey**  
HUMANITIES

"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 notated 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 Aeneid to music. Harvey's scholarship includes a detailed musical and textual analysis of these works, as case studies of humanistic musical practice.

### 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 learning about the music and each other in this whole discussion ... You create these deep connections based on artistic expression."**



**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,” Lewis Mchenga said. “We all need support at some point. We have spaces, they’re here. It’s giving them that permission to ask for help. Those who succeed learn how to navigate and they are more likely to get help when they need it.”

Lewis Mchenga also looks at how childhood trauma and its impact negatively affect students. “Sometimes they just feel like they have to do it for themselves,” she said. “They see asking for help as admitting they don’t belong here.”

**“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.”**

Evaluating the effectiveness of the resilience-building intervention called Changing Minds Changing Lives is part of Lewis Mchenga’s ongoing research, in which she is surveying students about their experiences.

Lewis Mchenga’s passion for public health stems from her youth in Malawi, where she saw great poverty and witnessed people dying from preventable disease. “At the age of 9, I needed to do something to help my community,” she said. “My goal was to end suffering.”

She saw education as the tool to help her do that. With her husband, Lewis Mchenga started a nonprofit organization to help rural students get an education, including college degrees. “I’m making the impact I really want,” she said. “I know the students I’m educating are going to have stable incomes to support their communities.”

## 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 21, 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 dialect 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).

### OPEN EDUCATION RESOURCE GRANT:

- (Original content, book on Thermodynamics and Fluid Mechanics for core content text in the Engineering Technology department)

## DeMisty Bellinger-Delfeld

### ENGLISH STUDIES

## Scholarship

### POETRY PUBLICATIONS:

- “NOT GRASS. WEEDS.” Emerging BIWOC Poet Spotlight, Perugia Press, December 2021 <https://perugiapress.org/2021/12/emerging-biwoc-poet-spotlight-16/>
- “Sweet Potato Pie,” West Trestle Review, May 9, 2021.
- “IV: You Are,” Ariadne Magazine, April 22, 2021.
- “Management of Lunatics, with Illustrations of Insanity,” Literary Hub, April 19, 2021. (Reprint)
- “Collaborative Poetry Time Capsule,” with Margot Douaihy, Jennifer Huxa, et al, Northern New England Review, January 2021.

### CREATIVE NONFICTION:

- “2020’s Un-Edible Mess,” 2020\* The Year of the Asterisk, ed. Gerding, George, forthcoming October 2021.
- “A Routine of Chaos,” blog post for Chloe Yelena Miller, Writer & Writing Teacher, Sept 5, 2021.
- “Lucille Clifton,” blog post for Adrian Koesters’ writing blog, Jan 22, 2021.

### BOOK REVIEWS:

- “A Spell for Living by Keisha-Gaye Anderson: Review by DeMisty D. Bellinger,” Mom Egg Review, December 15, 2021.
- “The Hive by Melissa Scholes Young: Review by DeMisty D. Bellinger,” Mom Egg Review, June 10, 2021.
- “Viable by Chloe Yelena Miller: Review by DeMisty D. Bellinger,” Mom Egg Review, April 2, 2021.

### INTERVIEWS:

- The Poetry Question, TPQ, Episode 15: Interviewed by Join Courtney and Chris, November 22, 2021.
- A Fevers of the Mind Quick-9 Interview with DeMisty Bellinger,” Fevers of the Mind, September 2, 2021.

### CONFERENCES AND TALKS:

- Anti-Racist Community-Engaged Learning: Principles, Practices, and Pedagogy. Virtual symposium sponsored by the Massachusetts Department of Higher Education, Campus Connect, Salem State, Worcester State, and Fitchburg State Universities. September 20, 2021.
- “Stay in Your Lane(s): Writing and Publishing in Multiple Genres,” with panelists Rahne Alexander, DeMisty Bellinger, Fran Wild, and Steven Leyva. Conversations and Connections: Practical Advice on Writing, virtual through Chatham, October 30, 2021.
- “Krystal A. Smith in Conversation with DeMisty D. Bellinger,” hosted by BLF Press, April 10, 2021.
- “Colophon: Conversations about Publishing presents DeMisty D. Bellinger,” University of Nebraska-Lincoln, March 10, 2021.

## Creative Activity

### READINGS:

- kickstART Farmington, Wednesday Night Sessions featuring Writer DeMisty D. Bellinger, virtual, December 15, 2021.
- 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 Moura, A Room of One's Own Bookstore, forthcoming October 26, 2021.
- Middlesex Community College Visiting Writing Series, forthcoming October 20, 2021.
- Peculiar Heritage: A Virtual Poetry Reading with DeMisty D. Bellinger, Worcester Public Library, October 9, 2021.
- Larksong Writer's Place First Friday Luncheon Reading Series with DeMisty D. Bellinger, virtual, October 1, 2021.
- Dire Literary Series, virtual, September 10, 2021.
- Readings on the Pike, with Jason B. Crawford, Sofia Fey, Steve Fox, Beth Gordon, Richard Peabody, Lee Potts, Karthik Sethuraman, Evan Williams, and Katherine Young, virtual, September 9, 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 AWP (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, 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 to future 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, analyzes 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, appointed 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:

- Caron, E., Kipp, E. C., Costello, A. H., Bernard, K., Schein, S. S., Roben, C. K. P., & Dozier, M. (2021). Telehealth-delivered and in-person parent coaching fidelity trajectories during the COVID-19 pandemic. Evidence-Based Practice in Child & Adolescent Mental Health. Advance online publication.
- Caron, E., Lind, T., & Dozier, M. (2021). Consultation strategies to create opportunities for clinicians' active learning: Micro-level contingencies. The Clinical Supervisor, 40(1), 112-133.

#### CHAPTERS:

- Caron, E., Bernard, K., & Metz, A. (2021). Fidelity and properties of the situation: Challenges and recommendations. In J. A. List, D. Suskind, & L. H. Supplee (Eds.), *The Scale-up Effect in Early Childhood and Public Policy: Why Interventions Lose Impact at Scale and What We Can Do About It*. Routledge.

#### CONFERENCE PRESENTATIONS:

(\* indicates FSU student author)

- Williams, L. M.\*, Luby, J. L., & Caron, E. (2021, November). Adapting the Therapist-Parent Interaction Coding System for Emotion Coaching. Poster to be presented at the 2021 virtual meeting of the New England Psychological Association (NEPA).
- Caron, E., Bernard, K., & Metz, A. (2021, June). Fidelity and properties of the situation: Challenges and recommendations. Paper presented at the 2021 virtual meeting of the Society for Prevention Research (SPR).
- Caron, E., Williams, L. M.\*, Russo, A. J.\*, Legere, M.\*, & Luby, J. L. (2021, April). Does therapist coaching predict outcomes in Parent-Child Interaction Therapy – Emotion Development? Paper presented at the 2021 virtual biennial meeting of the Society for Research in Child Development (SRCD).

#### CAMPUS TALKS:

- Caron, E. (2021, May). Strategies that promote therapists' engagement in active and experiential learning: Micro-level sequential analysis. Talk given for annual Faculty Research Symposium.
- Student Research Mentored: Presentations at Annual FSU Undergraduate Conference for Research and Creative Practice and Annual Mass Undergraduate Research Conference.
- Williams, L., Russo, A., & Legere, M. (2021, April). Coaching patterns of therapists in Parent-Child Interaction Therapy – Emotion Development. Oral presentation.
- Legere, M. (2021, April). Examining differences in father representation in Parent-Child Interaction Therapy. Poster presentation.

#### Community Service

##### REVIEWER FOR:

- The Clinical Supervisor
- Frontiers in Public Health
- The Journal of School Nursing
- BMJ Open

## Robin Chataut

### COMPUTER SCIENCE

#### Scholarship

##### PUBLICATION:

- R. Chataut., R. Akl and U.K. Dey."Massive MIMO Uplink Signal Detector for 5G and Beyond Networks," Submitted to 13th IEEE Texas Symposium on Wireless and Microwave Circuits and Systems (TSWMCs 2022), Waco, Texas, USA.



- U.K. Dey, R. Akl, and R. Chataut. "Throughput Improvement in Vehicular Communication by Using Low Density Parity Check (LDPC) Code," Jan 2022 10th Annual Computing and Communication Workshop Conference (IEEE CCWC 2022), Las Vegas, NV, USA.
- R. Chataut., R. Akl and U.K. Dey."An Efficient and Fast-Convergent Detector for 5G and Beyond Massive MIMO Systems,". Dec 2021. The 12th Annual Ubiquitous Computing, Electronics & Mobile Communications Conference (IEEE UEMCON 2021), New York, USA.
- U.K. Dey, R. Akl, R. Chataut. ."Selective MIMO in Vehicular Communication for Reliable Safety Services and High-Speed Non-Safety Services,". Dec 2021. The 12th Annual Ubiquitous Computing, Electronics & Mobile Communications Conference (IEEE UEMCON 2021), New York, USA.
- M. Robaei, R. Akl, and R. Chataut, U.K Dey. "Adaptive Millimeter-Wave Channel Estimation and Tracking," Feb 2022. The 23rd International Conference on Advanced Communications Technology (IEEE ICACT 2021).

#### 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), Columbia University, 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
- Session Chair: IEEE 12th Annual Computing and Communication Workshop and Conference (CCWC 2022). Session: Image and Signal Processing; Sensor Networks.



#### REVIEWER FOR JOURNAL/CONFERENCES:

- Applied Sciences Journal, MDPI.
- Electronics Journal, MDPI.
- Sensors Journal, MDPI.
- IEEE Wireless Communications Magazine Journal.
- Journal of Electrical and Electronic Engineering, Science Publishing Group.

#### PROFESSIONAL ORGANIZATION MEMBERSHIP:

- 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:

- Covino, K., Consalvo, A., and Chase, N. (2021) *Shining a light on the monster: Identifying and interrogating toxic masculinity*. In Greathouse, P. & Malo-Juvera, V. (Eds.), *Young adult and canonical literature: Pairing and teaching*. Lanham, MD: Rowman & Littlefield.
- Consalvo, A., Covino, K., and Chase, N. (2021). *Decentering the book(room) and (re)centering students' interest contemporary issues: Theories, questions, and relevance*. *Teaching/Writing: The Journal of Writing Teacher Education*: Volume 10: Issue 1, Article 6.

##### CONFERENCE PRESENTATIONS:

- *Considering Family and Community Literacy Through Research, Reading, and Reflection* – NCTE (National Council of Teachers of English) Annual Convention – November 21, 2021.
- *When Good Intentions Converge with Fear: Self-Censorship in the ELA Classroom* – NCTE (National Council of Teachers of English) Annual Convention – November 20, 2021.
- *Helping Students Manage Post-Pandemic Anxiety* – NEATE Conference – October 22, 2021.

##### POPULAR PRESS ARTICLES:

- Covino, K. (2021). *After a Year of Remote Learning, Kids Are Returning to School in the Midst of the Delta Surge*. Medium.
- Englander, E. and Covino, K. (2021). *How Parents Can Help Kids Deal With Back-to-School Anxiety*. *The Conversation*.
- Englander, E. and Covino, K. (2021). *6 Practical Tips to Help Students Manage Post-Pandemic Screen Use*. *eSchool News – Innovations in Educational Transformation*.

#### CENTER FOR TEACHING AND LEARNING EVENTS/ DEVELOPMENT DAY PRESENTATIONS:

- *Inclusive Pedagogy – Teacher and Learning Hour* – CTL – Fitchburg State University – November 16, 2021.
- *Faculty Book Launch – The Insanely Awesome Pandemic Playbook* – CTL – Fitchburg State University – October 13, 2021.
- *Creative Activity*

#### CHILDREN'S BOOKS AND RESOURCES:

- Englander, E. and Covino, K. (2021). *Insanely Awesome Adventures Online*.
- Englander, E. and Covino, K. (2021). *The Insanely Awesome POST Pandemic Playbook: A Humorous Mental Health Guide for Kids*.
- Englander, E. and Covino, K. (2021). *The Insanely Awesome Pandemic Playbook: Boredom Buster Activity Book*.
- Englander, E. and Covino, K. (2020). *The Insanely Awesome Pandemic Playbook: The Educational Guide for Parents and Teachers*.
- Englander, E. and Covino, K. (2020). *The Insanely Awesome Pandemic Playbook: A Humorous Mental Health Guide for Kids*.

#### Community Service

##### LEADERSHIP / SERVICE POSITIONS:

- Nominated and accepted 4-year term on the National Standing Committee Against Censorship – NCTE (2018 – 2022).
- Elected by organizational vote and accepted 2-year term on the New England Association of Teachers of English – NEATE executive board as a Member at Large (2019 – 2021).
- Named the co-chair of the Remote Advisory Council for the Harvard Public Schools (2020 – 2021).
- Elected to (by township-wide vote) and served two terms on the Bromfield School Council (2018 – 2021) (2021 – 2024).



### Danette Day

#### EDUCATION

#### Scholarship

##### PANEL DISCUSSION:

- *Challenges in Local Journalism: Black Voices in the News. Why are American newsrooms still contending with disproportionate representation of Black journalists, and running newspapers that often fall short in coverage of the diverse, Black community in America?* Fitchburg State University, February 28, 2022.
- *Making Connections to Facilitate Your Research*, Fitchburg State University, Center for Faculty Scholarship, February 24, 2021.

##### PRESENTATION/WORKSHOP:

- *Building an Anti-Racist Public Higher Education System*, 2022 MTA Union Skills Winter Workshop Series, March 2, 2022. Declining enrollments at Massachusetts public higher is a problem that has been exacerbated by the Covid-19 pandemic. This has been especially true for students of color, who the Commonwealth has traditionally failed to fully support. The workshop reviewed the trends in enrollment decline, explored tested solutions, and provided space to discuss opportunities to provide equitable options to all Commonwealth students.
- *Underserved Students' Perceptions & Use of Libraries Presentation*. Research conducted with Connie Strittmatter, Strategic Projects Librarian, to examine students' perceptions of librarians, their past and present experiences with librarians, their reasons for using the library and if they had experienced any microaggressions or acts of racism while in the library. Fitchburg State University, December 6, 2021.
- *Mapping Racism Under COVID-19*, MTA ESP Conference Workshop, April 10, 2021. In this popular education workshop, participants named what educators were seeing, thinking and feeling while rebuilding: after a public health crisis, economic insecurity, government austerity, and heightened racial animus.

#### Creative Activity

- *Students and Social Issues: A Fitchburg State Student Partnership with Friends of the Abolitionist Park, The Forge Theater Lab, Teachers, Students and Families from Longsjo Middle School Fitchburg, MA and The Frances Drake Elementary School Leominster, MA*. The program includes abolitionist history to contextualize the project, yet seeks to address issues of social justice that create inequities in today's society for students to examine.
- *Cronin's Corner: Episode 10 - Opportunity Through Community* <https://www.youtube.com/channel/UCZW1Ciof-BqjMshKggcbZjA>. Senator John Cronin hosts Fitchburg State University professor, Dr. Danette Day, for a discussion on education, community and the amazing work of the Friends of Fitchburg Abolitionist Park. February 1, 2022.
- *Groundbreaking of Abolitionist Park celebrated June 19, 2021* <https://www.fitchburgstate.edu/about/news/groundbreaking-abolitionist-park-celebrated>.
- *Fitchburg Abolitionist Park Juneteenth groundbreaking draws a crowd, June 6, 2021* <https://www.sentinelandenterprise.com/2021/06/21/fitchburg-abolitionist-park-juneteenth-groundbreaking-draws-a-crowd>.
- *Abolitionist Park nears completion; Public's help needed in raising money for proposed Abolitionist Park in Fitchburg, April 4, 2021*. <https://www.sentinelandenterprise.com/2021/04/28/publics-help-needed-in-raising-money-for-proposed-abolitionist-park-in-fitchburg/>

#### Community Service

- *Environmental Steward's Participant*. Joined people from across our region to learn, advocate and promote a more just and healthier planet for all. Earned a certificate through the NewVue Community Stewards program, Nov. 9th – Dec. 7th, 2021.
- *Community Foundation of North Central Massachusetts, Community Enrichment Action Area Grant, \$25,000 for the Friends of Fitchburg Abolitionist Park program*, October 12, 2021.
- *RESEARCH LIVE The Center for Faculty Scholarship, Issue n. 7, February 2021 Creating Spaces Where Students Feel Known, Safe, and Valued by Eric Budd*.

##### PROFESSIONAL SERVICE:

- *The New England Educational Research Organization Board of Directors (NEERO), Professional Development Strand Director and NEERO 2021 Virtual Conference, March 28th –30th 2021 creates space for educators to share their educational research with peers throughout New England and beyond*, <https://www.neero.org/>.

## Christine Devine NURSING

### Scholarship

#### PRESENTATIONS:

- Fitchburg State University Teaching and Learning Hour: “Built for Integrity: Creating Classroom Culture that Encourages Academic Integrity” Oral Presentation (in person and streamed) in collaboration with J. Kremer, Z. Miner, and C. Strittmater. October 19, 2021.
- 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 Corp (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.

## Melissa Dunn NURSING

### Scholarship

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

#### PUBLICATION:

- Dunn, M. (2021). Childhood asthma: Contextual influences affecting family management. [Manuscript submitted for publication].

#### PRESENTATION:

- Dunn, M. (2021, June 30). Childhood asthma: Contextual influences affecting family management. [presentation]. 15th International Family Nursing Association Conference (virtual format).

### Community Service

- Volunteer assisting an Afghan refugee family with accessing resources and health care, Northborough Neighborhood Support Team.

## 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

- “Virgil’s Words and Willaert’s Music: Humanistic Case Studies.” *The Choral Scholar & American Choral Review* vol. 59 no. 2 (Fall / Winter 2021), p.43-55.
- “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.
- Fitchburg State University Chamber Choir performance, The Gables of Fitchburg, 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.
- “The Angels Sang” concert, Brattleboro Camerata, December 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 LA&S Curriculum” presenter, Fitchburg State University Faculty Development Day, January 2021.

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

## Michael Hoberman ENGLISH STUDIES

### Scholarship

- “American Pastorals,” essay published in *Arts and Letters* section of *Tablet Magazine* (March 19, 2021). <https://www.tabletmag.com/sections/arts-letters/articles/american-pastorals-philip-roth-allegro-goodman-michael-hoberman>
- 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 2021).
- New England Jewish History Collaborative. Keynote speaker for launching conference (remote access through Wyner Family Jewish Heritage Center/New England Historical and Genealogical Society, January 2021).
- ““Did you ever hear of Judah Benjamin?”: fictional representations of the Jewish Confederate.” *Southern Jewish Historical Society annual conference*, remotely accessed October 2021.

## Michael Hove PSYCHOLOGICAL SCIENCE

### Scholarship

#### JOURNAL ARTICLES:

- Hove, M. J., Martinez, S. A. & Shorrock, S. R. (2022). Physical exercise increases perceived musical pleasure: Modulatory roles of arousal, mood, or dopamine? *Psychology of Music*.
- Stupacher, J., Hove, M. J., & Vuust, P. (accepted). The Experience of Musical Groove: Body Movement, Pleasure, and Social Bonding.
- Cameron, D. J., Dotov, D., Flaten, E., Bosnyak, D., Hove, M. J., & Trainor, L.J. (under review). Undetectable Very-Low Frequency Sound Increases Dancing at a Live Concert.



#### INVITED TALK:

- Social BRIDGES conference on the Biological Bases of Music, Munich, Germany, January 2022. [https://www.youtube.com/watch?v=LsubiCTI\\_YA&ab\\_channel=socialBRIDGES](https://www.youtube.com/watch?v=LsubiCTI_YA&ab_channel=socialBRIDGES)

## 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.
- Presentation: Dickstein-Fisher, L., Krell, M., & Cook, A. (2021, February). Honoring Student Voices during COVID: Adopting Antiracist Supervision Practices to Model and Promote Self-Care. Presented at the Counselor Education Distance Learning Conference, Remote.
- Presentation: Krell, M. & Schutte, K. (2021, April). MASCA Grad Student Workshop - Transitioning from Graduate Student to School Counselor: Tips, Tricks, and Insights. MASCA 2021 Pre-Conference Workshop, Remote.

#### 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

#### Community Service

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

#### AWARDS:

- ACS Outreach Volunteer of year 2022 award

## Laurie Link

### EDUCATION

#### Scholarship

- Reviewer for draft of Madden's Science and Children: An Assets-based Approach to Teaching, Learning, and Advocacy: Grades K-6. Textreviews.com (January 2021).
- Anti-Racist Anti-Bias workshop: Year-long faculty professional development program to explore equity and social justice issues related to curriculum, instruction, and advising. Dean's Anti-Racism Fund (November 2020-April 2021).
- AAC&U Virtual Conference on General Education, Pedagogy, and Assessment: Embracing the Best Emerging Practices for Quality and Equity (Feb. 2021).
- Member Panel Discussion: Active Teaching and

Learning. Center for Teaching and Learning, Fitchburg State University (February 2021).

- 51st Annual Meeting of the New England Educational Research Organization (NEERO), Leveraging Educational Research for the Collective Good in Challenging Times. Virtual conference (April 2021).
- Presenter, Exploring Student Engagement in Digital Learning Through the Lens of Universal Design (with Dr. Karen DeAngelis). The International 3-Day Conference Pandemic Pedagogy: Lessons Learned. Moving Forward, Mount St. Helen's College, Kappa Delta Pi (November 2021).
- Proposal Reviewer for NEERO 2022 Annual Meeting/Conference: Expanding Equity in Educational Research (December 2021).

#### Community Service

- Member of Massachusetts Department of Elementary and Secondary Education's (DESE) Mixed Reality Network.
- Member of Massachusetts Department of Elementary and Secondary Education's (DESE) Ed Prep Network for Science and Technology/Engineering.
- Member Central MA STEM Network.
- Advisory Board member Virginia Thurston Healing Garden, Harvard, MA.
- 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

- Monica M. Maldari, Jeanette M. Garcia & David J. Rice (2021) The impact of health education on physical activity correlates in college students, Journal of American College Health, DOI: 10.1080/07448481.2021.1879812.

#### 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

#### PRESENTATION:

- Mani, N. (2021). Teacher externship program: An opportunity for educators to build a relationship with industries. 2021 Industry, Engineering, & Management Systems Conference, Florida, March 15-17.
- Mani, N. & Chenot, D.K. (2021). Solar decathlon design challenge: A collaborative student-community engagement project. 2021 Industry, Engineering, & Management Systems Conference, Florida, March 15-17.

#### 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

- Mariolis, T. Wilson, A. & Chiodo, L. (In press). The impact of individual counseling on treatment for opioid use. Journal of Addictions Nursing.

#### Community Service

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

## Amy McGlothlin

### 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.
- Pharos 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:

- Lewis Mchenga N. (2021). My Experience With Pylalism Gravidarum During the COVID-19 Pandemic. Nursing for women's health, 25(5), 400-402. <https://doi.org/10.1016/j.nwh.2021.07.004>

- Lewis Mchenga N. & Favorite I. (2021) Perception of Telehealth among Black Immigrants: Healthcare Experiences during Covid-19 (In press).

#### WORKSHOPS AND PRESENTATIONS:

- 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.
- Presenter, Changing Minds Changing Lives: A Resilience Intervention for Student Athletes at development Day, Fitchburg State University.
- 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 (\$686) 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, 2022.
- 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.



- Volunteer, 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

- I authored three entries in the forthcoming third edition of Guns in American Society: An Encyclopedia of History, Politics, Culture, and the Law: “Violent Crime,” “Gun Ownership,” and “Colleges and Gun Violence.”

### Jessie Oehrlein MATHEMATICS

#### Scholarship

##### PEER-REVIEWED PUBLICATION:

- Oehrlein, J., Polvani, L. M., Sun, L., & Deser, C. (2021). How well do we know the surface impact of sudden stratospheric warmings? Geophysical Research Letters, 48, e2021GL095493.

##### PRESENTATION:

- “Math in the Sky: Studying the Stratospheric Polar Vortex,” Hofstra Mathematics Seminar, Fall 2021.

#### Community Service

- Co-organizer, Joint Mathematics Meetings Project NExT session on Establishing Interdisciplinary Collaborations in Teaching and Research.
- Fall 2021 Reviewer for the following journals: Geophysical Research Letters, Journal of Climate, Teaching & Learning Inquiry, Atmosphere, Atmosphere Remote Sensing.
- 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.

### Benjamin Railton ENGLISH STUDIES

#### Scholarship

- Of Thee I Sing: The Contested History of American Patriotism (book published March 2021).
- 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 Sarefield ECONOMICS, HISTORY, & POLITICAL SCIENCE

#### Scholarship

##### PRESENTATION:

- “Viaggi nel sottosuolo italiano”/“Travels to the Italian Underground.” 2021 Community Read event with Rosario Di Pietro and Daniel Sarefield (Wednesday, March 10, 2021).

#### Community Service

- Chair/Commentator for “Panel 8: The Roman World” at the Phi Alpha Theta 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

- Wrote textbook, Memory Matters: Amnesia, Inattention and Eyewitness Memory under contract to be published by Kendall Hunt (Aug, 2022).
- Data Analysis with Thomas Schilling & Beth Walsh in partnership with Worcester D.A.s office to study opioid overdose deaths in Worcester County.

#### 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 Program, Samoset School, Leominster.
- Director & Instructor, Community Music Lesson Program, Fitchburg State.



### Charles Sides COMMUNICATIONS MEDIA

#### Scholarship

- “Internships in a Pandemic,” Programmatic Perspectives, Council for Programs in Technical and Scientific Communication, Volume 12, Issue 1, Spring, 2021.
- “Editors Roundtable,” Special Interest Group on Design of Communication (SIGDOC), Association of Computing Machinery (ACM), Fall, 2021.
- Community Service
- Co-Editor, The SUNY Series, Studies in Technical Communication, State University of New York Press, 1918 – present.
- Executive Editor, Journal of Technical Writing and Communication, Sage Publications, 1995 –present.

### Joshua Spero ECONOMICS, HISTORY, & POLITICAL SCIENCE

#### Scholarship

- “Transatlantic Ties That Bind Europe” / The Hill (August 28, 2021)
- “Bridging the Transatlantic Divide Strengthens the US” / The Hill (January 12, 2021)

#### 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

- Career Development Speaker: “International Careers and Public Service,” Acton-Boxborough Regional High School Career Day (October 2021).
- Career Development Speaker: “International Careers and Public Service,” Acton-Boxborough Regional High School Career Day (April 2021).
- FSU / New England Commission of Higher Education (NECHE) Standard 9 (Integrity, Transparency, & Public Disclosure) – (2020 – 2022).



## Peter Staab

### MATHEMATICS

#### Scholarship

##### PUBLICATIONS:

- Peter Staab, Richard Cleary; Same-Score Streaks: A Case Study in Probability Modeling, *Math Horizons*, Vol. 28, issue 4, pp. 5-9 (2021).

##### TALKS:

- “Same Score Streaks in Baseball: What are the Odds?”, Speaker Series, Fitchburg State University (April 2021).
- “What’s New in WeBWork”, E-Assessment in Mathematical Sciences Conference, with Marianna Bonanome, Andrew Parker, Glenn Rice, Peter Staab, (June 2021).

## Connie Strittmatter

### AMELIA V. GALLUCCI-CIRIO LIBRARY

#### Scholarship

- Kremer, J., & Strittmatter, C. (2021). How to develop an OER Roadmap for your institution and stick to it, NE OER Summit, Online. May 2021.
- Strittmatter C. (2021). Assessing your OER program: Strategies for setting target goals. NE OER Summit, Online. May 2021.
- Strittmatter, C., Packard, S., & Boudreau, K. (2021). Meeting the needs of students with autism spectrum disorder. ACRL/NEC-NELIG joint conference. Online. May 2021.

#### 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:

- Sylvia IV, J.J. 2021. “Posthuman Media Studies.” *Journal of Posthumanism*. Vol. 1. Issue 2. 139-151.
- Sylvia IV, J.J. 2021. “An Affirmative Approach to Teaching Critical Data Studies.” *Journalism and Media: Algorithms and Artificial Intelligence Special Issue*, Vol 2. Issue 4. 641-656

- Sylvia IV, J.J. 2021 “A Genealogical Analysis of Information and Technics.” *Information*. Vol 12. Issue 3. 123.
- Sylvia IV, J.J. 2021. “Civic Engagement and Dialogic Approaches to Post-Truth in the Classroom.” In Atay, Ahmet and David Kahl Jr. (Eds.), *Pedagogies of Post-Truth*, (pp. 137-154). Lexington Books.
- Buell, Catherine, J.J. Sylvia IV, Elise Takehana, Joseph Wachtel. 2021. *Access and Agency: Rethinking the Public through Digital Humanities*. Fitchburg State University Press.
- Sylvia IV, J.J. 2021. “Sherry Turkle.” In Frana, Philip L. and Michael J. Klein (Eds.). *Encyclopedia of Artificial Intelligence: The Past, Present and Future of AI*. ABC-CLIO.
- Sylvia IV, J.J. 2021. “Helen Nissenbaum.” In Frana, Philip L. and Michael J. Klein (Eds.). *Encyclopedia of Artificial Intelligence: The Past, Present and Future of AI*. ABC-CLIO.
- Sylvia IV, J.J. 2021. “Person of Interest.” In Frana, Philip L. and Michael J. Klein (Eds.). *Encyclopedia of Artificial Intelligence: The Past, Present and Future of AI*. ABC-CLIO.

##### COMMUNITY ENGAGED:

- Crocker Center Collaboration with the Fitchburg Historical Commission. Hired and supervised a student to design a brochure of Historic Districts Walking Tour in Fitchburg, MA.

##### 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 Popup 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.
- Editorial Board, *Critical Posthumanism and Citizenship Studies* book series, Rowman and Littlefield.
- Book Review Editor, *Journal of Posthumanism*.
- 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, *Theoria 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*.
- Reviewer, *Analyzing Media Messages: Using Quantitative Content Analysis in Research*, 4th Edition, by Daniel Riffe, Stephen Lacy, Brendan R. Watson, and Frederick Fico. Routledge Publishing.

## Teresa Fava Thomas

### ECONOMICS, HISTORY, & 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.
- Book Review of Vincent A. Lapomarda, *The Italians of Worcester County, Massachusetts*, published in *Historical Journal of Massachusetts*, Summer 2021, 181-4.
- Interview, “From Italy to Fitchburg and Back,” article by Eric Budd in *Research Live*, publication of The Center for Faculty Scholarship, n. 9, October 2021, pages 4-5.
- “Italian Markets in Fitchburg,” *Fitchburg Historical Society 125 Years: Newsletter*, February 2021, pages 1-4.

#### 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://fishesofnashuariverwatershed.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 Linnean 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:**

- Tominaga, K., Tominaga, N., Williams, E. O., Rufibach, L., Schöwel, V., Spuler, S., Viswanathan, M., Guarente, L. P. (2022). 4-Phenylbutyrate restores localization and membrane repair to human dysferlin mutations. *Iscience*, 25(1), 103667.
- Viswanathan M, Williams E. O., Spracklin G, Tominaga K, Guarente L. (2022) Genetic and chemical suppressors of C. elegans fer-1: A therapeutic discovery model for dysferlin-based muscular dystrophies. Submitted to *Cell Reports*.



**Hong Yu**  
ENGINEERING TECHNOLOGY

**Scholarship**

**JOURNAL PUBLICATIONS:**

- Hong Yu, Sean-Paul Tomer, Marcus Perla, Yvette Yu, “Study of Classification of Human Emotion Features from EEG Signals at Minimum Free Energy Operated Effortlessly”, *European Journal of Engineering and Technology Research(EJERS)*, Vol. 6, No. 6, pp82-86, October 2021.
- Hong Yu, Marcus Perla, Fanming Liu, “A Multiple Access Protocol for Multimedia Transmission over 5G Wireless Asynchronous Transfer Mode Network” 2021 IEEE World AI IoT Congress, IEEE Xplore, ISBN: 978-1-6654-3568-0, pp319~324, May, 2021.

**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:**

- 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).

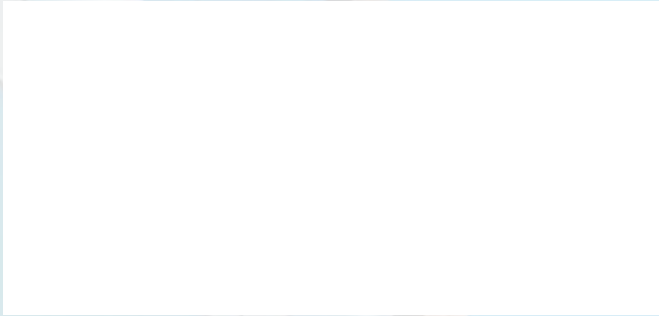
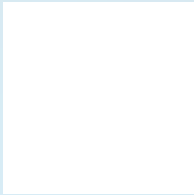
**Community Service**

- 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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HAMMOND HALL