



FITCHBURG STATE UNIVERSITY

Community of Scholars

PROFILES OF FACULTY AND LIBRARIAN SCHOLARSHIP

Highlights of Research, Publications,
and Creative Activity

JANUARY 2020 — DECEMBER 2020

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 2021



Christa Marr

ECONOMICS, HISTORY, & POLITICAL SCIENCE

Status Traps

Christa Marr has long been fascinated by concepts surrounding income inequality and how factors affect mobility in families.

“My dissertation was on redistribution of wealth and income inequality, so I’ve done most of my work in that area,” said Marr, who joined the Fitchburg State faculty in 2015. Her scholarly work includes exploring variations of mobility related to parental income. “If income is persistent, what else is? Because income doesn’t tell the whole story.”

To conduct the research, Marr accessed the ongoing National Longitudinal Survey of Youth that began in 1979. The cohort, representing thousands of participants across the country, now spans generations.

“We found evidence of ‘status traps,’ particularly in income,” Marr said. “Our least mobile populations were from middle income households. We also found that there tended to be higher educational persistence for higher educational achievers, with parents who went to

college tending to have children who were more likely to attend college.”

With collaborators from other institutions, in the past year Marr has published on local intergenerational mobility in the *European Economic Review* and presented at the Eastern Economic Association Conference. At the campus level, she shared her work at the Center for Faculty Scholarship colloquium in April.

Marr wants to dive deeper into related topics like self-esteem and parental time investment and how those factors can influence the next generation’s mobility. Preliminary findings indicate that a parent’s income plays a significant role in their child’s future income. “Your background does matter,” she said, adding that the U.S. has a higher level of income persistence than elsewhere in the Western world. She said she hopes to use her research to explore effective policy initiatives that may help facilitate a more mobile society, such as providing more opportunities to children, particularly from lower and middle income backgrounds.

Marr became interested in this field when she began her graduate studies at Clark University in 2009. “We were just getting into the Great Recession, and a lot of what I was interested in pursuing in general was economic development and income

inequality in general,” she said. An adjacent interest in community development and planning led her to consider these topics in community settings.

With her current Honors students, Marr explores these issues at the local level. “My role on these big projects has included a lot of data and a lot of results analysis,” she said. “Now I’d like to see some of the people behind it.”

“If income is persistent, what else is? Because income doesn’t tell the whole story.”



Elyse Clark

EARTH & GEOGRAPHIC SCIENCES

The Human Environmental Impact

Elyse Clark has always been fascinated by geology, likely inspired by the curiosity she felt exploring her mother's rock collection. "I feel like I've always wanted to be in the environmental field," Clark said. "When I was an undergraduate, I started doing research and seeing how you could be a professional in that field."

Clark, who grew up in Virginia and completed her bachelor's degree at the University of Mary Washington, studied metal contamination in urban lakes.

"I've been trying to find different ways to make the connection between human and urban impacts on the natural environment," she said.

Much of her early research in that area looked at the impact of the mining industry in the Appalachian mountains. When she came to Fitchburg State in 2018, however, she had to reorient herself. "There's no mining up here, so I had to switch research topics," she said.

One topic with which she quickly became familiar living in the Northeast concerned the treatment of roads in winter with salt. She similarly refocused her research to look at how water resources in the region have grown more salty over time.

In recent months, she has collaborated with undergraduate student Robert Carpenter '22. Together, they have installed "loggers" at six sites within the Nashua River since October, with the units taking automated data at 15-minute intervals. Carpenter has also collected soil and snow samples.

The impact of salt on the waters and soils surrounding roadways is readily apparent, Clark said. "We can see the exact time that there is a pulse of salt that goes into the river," she said. "We had a few soil samples where the salt levels are too high for our meter to measure. The soil samples are three times saltier than ocean water."

"I've been trying to find different ways to make the connection between human and urban impacts on the natural environment,"

Plants can't grow in the salty soil, she said, and even native insects can't survive the changes in their environment.

Carpenter was Clark's co-presenter for their "Analysis of the Upstream to Downstream Impacts of Road De-icer Applications on Water Quality

in Northern Massachusetts," which was given at the Northeastern Section Geologic Society of America Conference in March. Clark is hopeful the two can co-present—in person—at another conference in Portland this fall.

"It's been a rewarding experience," Clark said of her student collaboration. "He's the epitome of the ideal student for this kind of work."



J.J. Sylvia, IV
COMMUNICATIONS MEDIA

Systems of Truth

J.J. Sylvia IV describes his research trajectory as the intersection of philosophy and communication, and how media shapes us as humans. Working with the Society of Philosophers in America (SOPHIA), which emphasizes the importance of public discussions about philosophy, he founded a Worcester County chapter that was the first to include student involvement. Students in his communication law and ethics course develop discussion guides and host public discussions about issues related to communication ethics.

Recent discussions looked at social media and its role in political speech and how COVID-19 has impacted our communication practices. These discussion guides are then published online and used by other SOPHIA chapters around the country. Sylvia has received feedback from students and community members that one of the benefits of these events is that it creates

space for challenging and nuanced conversations between students and community members that usually aren't available anywhere else.

This emphasis on public engagement is an important theme throughout Sylvia's work. The larger issue is how we collectively build our systems of truth, he said, citing phenomena like "fake news" or conspiracy theories that have eroded public trust. "The challenge we're facing now is that organizations and governments have learned how to weaponize social media," he said. "If those kinds of views aren't challenged, they will continue to spread."

Sylvia's ongoing research explores the past, present, and future of this challenge. "The Ancient Greeks dealt with similar challenges facing their democratic systems," he said. "Western philosophy began, at least in part, as a critique of the rhetorical skills being taught by Sophists to better enable Greek

citizens to participate in their burgeoning democracy."

In the present, Sylvia believes it is important to help people better understand how often complex technologies, such as big data, impact their day-to-day lives. One approach he has adopted for this is creating interactive projects, such as his augmented reality

program, *Becoming Big Data*. Created with student collaborators funded through a special projects grant, this project visualizes and personalizes the impact of normally invisible data streams. Looking to the future, Sylvia is working to better understand how social media and other tools can be leveraged to help strengthen our systems of truth. "Trust in our systems of truth is necessary for a healthy democracy."

"... organizations and governments have learned how to weaponize social media. If those kinds of views aren't challenged, they will continue to spread."





Dennis Awasabisah

BIOLOGY & CHEMISTRY

Scholarship

CONFERENCE PRESENTATIONS:

- Awasabisah, D.; Gangemi, J. F.; Powell, D. R. "Synthetic Heme-antimalarial Adducts: Synthesis and Electrochemistry". Presented at the 2020 NOBCChE Virtual Conference.
- Awasabisah, D.; Gangemi, J. F.; Powell, D. R. "Synthesis and Characterization of Heme Quinoline-based Antimalarial Adducts." Presented at the ACS Fall 2020 Virtual Meeting and Exposition, August 17-20, 2020.
- Gangemi, J. F.; Powell, D. R.; Awasabisah, D. "Synthetic Heme-antimalarial Adducts: Synthesis and Electrochemistry". Presented at the 259th ACS National Meeting & Exposition, Philadelphia, PA. March 22-26, 2020 (2020), INOR0668.

DeMisty Bellinger-Delfeld

ENGLISH STUDIES

Scholarship

- Fiction: "All the Dreams You've Yet to Have" and "Ladybird, Ladybird" (reprint), *Middle House Review*. (October 2020)
- MPTSP: *A Redress Of Grievances: A Collection of Tweet-Stories and Poetry*, editor. (September 2021)
- Fiction: "Good Fit," *Porcupine Literary*, February 2020.
- Fiction: "Ladybird, Ladybird," *Okay Donkey*, February 2020.
- Poetry: "Collaborative Poetry Time Capsule," with Margot Douaihy, Jennifer Huxa, et al, *Northern New England Review*, January 2021.
- Poetry: "Juriaen van Streek's Still Life with Lemons, Peaches," *Transition*, No. 129 (2020).
- Poetry: "Unfortunate Deaths from Our Graduating Class, 1994 (Compiled in 2019)," *Pigeonholes*, October 2020.
- Nonfiction: "To Hope." *The Big Smoke*, May 2020.

Creative Activity

- Reading: Poetry/Fiction Reading at Springfield College: Virtual. In cooperation with the Office of Multicultural Affairs A S.E.A.T. at the Table week of programming on social justice issues. October 27, 2020.
- Reading: 805 Virtual Reading: Celebrate Black Women Writers: October 10, 2020.
- Reading: *Okay Donkey* Reading, October 17, 2020.
- Reading: Poetry in Davis, a reading with Randy Prunty and Erin Rodoni via Zoom on April 30, 2020.

Community Service

- Board of Directors: Association of Writers and Writing Programs (AWP)
- Board of Directors: Worcester Children's Chorus
- Editor: Malarkey Books
- Poetry Editor: Porcupine Literary
- Alumni Reader: Prairie Schooner

Sarah Bromberg

HUMANITIES

Scholarship

- Presented a paper, "The Borders of Jewish and Christian Art and Exegesis in Fourteenth and Fifteenth-Century Illustrated Copies of Nicholas of Lyra's Postilla," at the Virtual International Medieval Congress hosted by the University of Leeds, England on July 9, 2020.
- Spoke as part of a panel entitled, "Blogging with Manuscripts for the General Public," at the Virtual International Medieval Congress hosted by the University of Leeds, England on July 9, 2020.

Creative Activity

- Drawing, "Scholars Rock," was included in the FSU Faculty Show: New Work from Art and Communications Faculty at the Hammond Art Gallery (Jan. 20 – Feb. 19, 2020).
- Monoprint, "Still life: Color Inquiry" was included in the FSU Faculty Exhibition at the Fitchburg Art Museum (Jan. 30 – March 1, 2020).

Eric Budd

ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship

- CURRENT RESEARCH PROJECT: "Reimagining the Post-Conflict State: History, Memory, Narratives and the Prospects for Reconciliation" Case Studies: Bosnia, Rwanda, Sri Lanka, the Philippines, and Ireland.
- Program Chair, Annual Meeting of the Northeastern Political Science Association, November 2020.
- President, Northeastern Political Science Association, November 2020 – Present.

Community Service

- Co-Coordinator, Center for Faculty Scholarship, Fitchburg State University, July 1, 2019 – Present.

- NECHE, Co-Chair Standard 6 and member of Executive Committee.
- Strategic Plan, Executive Committee Member.
- Faculty Representative on ALFA Board.

EB Caron

PSYCHOLOGICAL SCIENCE

Scholarship

PEER-REVIEWED JOURNAL ARTICLES:

- Caron, E., Drake, K. L., Stewart, C. E., Muggeo, M. A., & Ginsburg, G. S. (2020). Intervention adherence and self-efficacy as predictors of child outcomes in school nurse-delivered interventions for anxiety. *The Journal of School Nursing*. Advance online publication.
- Yarger, H., Bernard, K., Caron, E., Wallin, A., & Dozier, M. (2020). Enhancing parenting quality for young children adopted internationally: Results of a randomized controlled trial. *Journal of Clinical Child and Adolescent Psychology*, 49(3), 378-390.

CONFERENCE PRESENTATIONS:

- Caron, E., & Dozier, M. (2020, July). Evaluating practitioners' fidelity self-rating as a potential active ingredient of ABC consultation. Paper presented at the 2020 virtual meeting of the Society for Prevention Research (SPR).
- Legere, M.*, Russo, A. J.*, Williams, L. M.*, Luby, J. L., & Caron, E. (2020, October). Therapist Coaching Patterns in Parent-Child Interaction Therapy - Emotion Development. Poster presented at the 2020 virtual meeting of the New England Psychological Association (NEPA). (* indicates FSU student author)

OTHER RESEARCH ACTIVITY:

- Received FSU Special Projects course release grant for work with students on therapy process of Parent-Child Interaction Therapy - Emotion Development. Presented this work at FSU Speaker Series in December 2020.

Creative Activity

- Winner of 2020 FSU Golden Pumpkin Award - Individual Faculty/Staff.

Robin Chataut

COMPUTER SCIENCE

Scholarship

PEER-REVIEWED JOURNAL PUBLICATIONS:

- R. Chataut., R. Akl, U.K. Dey, M. Robaei, "SSOR Preconditioned Gauss-Seidel Detection and its Hardware Architecture for 5G and Beyond Massive MIMO Networks," *Electronics* 2021 (MDPI).
- R. Chataut and R. Akl, "Massive MIMO Systems for 5G and beyond Networks—Overview, Recent Trends, Challenges, and Future Research Direction," *Sensors* 2020 (MDPI), 20, 2753.
- R. Chataut., R. Akl. "Massive MIMO Systems for 5G," 2020. Encyclopedia doi:10.32545, 2020, ISSN 2309-3366.

PEER-REVIEWED CONFERENCE PUBLICATIONS:

- R. Chataut and R. Akl, "Efficient and Low-Complexity Iterative Detectors for 5G Massive MIMO Systems," 16th International Conference on Distributed Computing in Sensor Systems (IEEE DCSS 2020), Marina del Rey, CA, USA, 2020 .
- R. Chataut and R. Akl, "An Efficient and Fair Scheduling for Downlink 5G Massive MIMO Systems," 2020 IEEE Texas Symposium on Wireless and Microwave Circuits and Systems (IEEE WMCS 2020), Waco, TX, USA, 2020.
- R. Chataut, R. Akl and M. Robaei, "Accelerated and Preconditioned Refinement of Gauss-Seidel Method for Uplink Signal Detection in 5G Massive MIMO Systems," 2020 10th Annual Computing and Communication Workshop and Conference (IEEE CCWC 2020), Las Vegas, NV, USA, 2020.
- M. Robaei, R. Akl, R. Chataut, and U.K. Dey. " Millimeter-Wave Channel Estimation-Tracking Measuring Channel's Instantaneous Rate of Change," The 23rd International Conference on Advanced Communication Technology (IEEE ICACT 2021), Phoenix Park, Korea (South), 2021.
- U. K. Dey, R. Akl, R. Chataut and M. Robaei, "Modified PHY Layer for High-Performance V2X Communication using 5G NR," 2020 11th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (IEEE UEMCON 2020), New York, NY, USA, 2020.
- U. K. Dey, R. Akl and R. Chataut, "High Throughput Vehicular Communication Using Spatial Multiplexing MIMO," 2020 10th Annual Computing and Communication Workshop and Conference (IEEE CCWC 2020), Las Vegas, NV, USA, 2020.

ORAL AND POSTER PRESENTATIONS:

- Efficient and Low-complexity Iterative Detection Algorithms for 5G Massive MIMO Systems, "Virtual Presentation at the First IEEE International Workshop on Distributed and Intelligent Computing at the Edge (IEEE DICE 2020), Los Angeles, CA, USA (25 May 2020).
- An Efficient and Fair Scheduling for Downlink 5G Massive MIMO Systems. Oral Presentation at The 11th IEEE Texas Symposium on Wireless and Microwave



- Circuits and Systems (IEEE WMCS 2020), Baylor University, Waco, Texas USA (16 May 2020).
- 5G Key Enabling Technologies and Applications. Poster Presentation presented at IEEE North Tech-SAS, Denton, Texas, USA (15 February 2020).
 - High Throughput Vehicular Communication Using Spatial Multiplexing MIMO. Oral Presentation presented at the 10th Annual Computing and Communication Workshop Conference (IEEE CCWC 2020), University of Nevada, Las Vegas, USA (14 January 2020).
 - Accelerated and Preconditioned Refinement of Gauss-Seidel Method for Uplink Signal Detection in 5G Massive MIMO Systems. Oral Presentation presented at the 10th Annual Computing and Communication Workshop Conference (IEEE CCWC 2020), University of Nevada, Las Vegas, USA (13 January 2020).

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

- Reviewer: Journal of Applied Sciences, MDPI.
- TPC member and Reviewer: 2020 IEEE 17th International Conference on Smart Cities: Improving Quality of Life Using ICT & IoT and AI (HONET-ICT).
- Reviewer: IEEE Wireless Communications Magazine.
- Reviewer: Journal of Electrical and Electronic Engineering, Science Publishing Group.
- Member: IEEE, IEEE Young Professionals, Future Networks Community, American Communication Association.
- Volunteer: FYE committee, Fitchburg State University.

Andrew Chan

BUSINESS ADMINISTRATION

Scholarship

- "An Analytical Model of Audits in Disclosure of Pro Forma Earnings," *Journal of Applied Business Research*. (Forthcoming)

Elyse Clark

EARTH & GEOGRAPHIC SCIENCES

Scholarship

BOOK CHAPTER:

- Clark, E.V., C.E. Zipper, D.J. Soucek, and W.L. Daniels. 2021. Contaminants in Appalachian Water Resources Generated by Non-Acid-Forming Coal Mining Materials. In: *Appalachia's Coal-Mined Landscapes*. Springer.

CONFERENCE PRESENTATIONS:

- Carpenter, R.P. and E.V. Clark. 2021. Analysis of the Upstream to Downstream Impacts of Road De-icer Applications on Water Quality in Northern



Massachusetts. Undergraduate student presentation at the Northeastern Section Geologic Society of America Conference. 15 March.

- Clark, E.V., and C.E. Zipper. 2020. Mining-Influenced Regional Salinization of Appalachian Streams. Presented at the National Geologic Society of America Meeting. Virtual. 27 Oct.

James Colbert (Emeritus)

HUMANITIES

Scholarship

- Translator: Étienne Gilson, *The Metamorphoses of the City of God*, foreword Rémi Brague, Catholic University of America Press, Washington D.C., 2020.

Katharine Covino

ENGLISH STUDIES

Scholarship

SCHOLARLY PUBLICATIONS:

- Covino, K. & Mulcahy, C. (2020). Social justice in the classroom: How critical literacy can help teachers and students move toward empowerment, equity, and transformative change. *The Leaflet*. Volume 117, Issue 1. Autumn 2020. (7-19).
- Covino, K, Zecker, G. and Britten, H. (2020). Rowing together in the same direction: How entwined symbiosis empowers teachers at all levels. Rodriguez T. L., H. L. Hallman, K. Pastore-Capuana, & D. L. Pasternak (Eds.), *Invested stayers: How teachers thrive in challenging times*. Lanham, MD: Rowman & Littlefield.
- Greathouse, P., Consalvo, A., Covino, K., David, A., Eisenbach, B., Letcher, M. (2020). When inclusion meets resistance: Resources for facing a challenge. *The English Journal*. Volume 110, Issue I. (80-86).

CONFERENCE PRESENTATIONS:

- Choppy Waters and Turbulent Discourse: Using Paired YA Texts to Uncover and Interrogate Themes of Toxic Masculinity in Literature – NCTE Conference – November 19-22 (Proposal accepted – later rejected when the conference moved online).
- Self-Reflections on Critical Retellings – Our Process of Revisiting the Cultural Myths of Christopher Columbus through an Indigenous Lens – NEERO Conference – May, 14th 2020 (Proposal accepted – conference cancelled).
- Why Untold Stories Matter: The Missing Voices of the People of First Contact – Literacy Essentials Conference – Central Connecticut State – April 25, 2020 (Proposal accepted – conference cancelled).
- Archives in the Classroom: Using Primary Source Artifacts with Students and Teachers – Twisted Intimacy: Disturbing Perversions and Genuine Warmth – A Symposium and Archive Exhibit on Robert E. Cormier’s Life and Work – Fitchburg State University – February 25, 2020.

CENTER FOR TEACHING AND LEARNING EVENTS / DEVELOPMENT DAY PRESENTATIONS:

- Mapping Course Learning Outcomes to Assessments – Faculty Development Day – Fitchburg State University – January 16, 2020.
- Lightening Panel on University-wide Initiatives: Crocker Center, CTL, Center for Faculty Scholarship, Undergraduate Research Conference, and Middle and Secondary Program Area – Faculty Development Day – Fitchburg State University – January 16, 2020.

Creative Activity

SPECIAL PROJECTS:

- Robert E. Cormier Archive: Three Open Digital Exhibits and Symposia (2015-2020).

CREATIVE WORK:

- Lessons I Never Taught You (poem) included in *Porcupine Press*, Fall/Winter 2020.

Community Service

LEADERSHIP/SERVICE POSITIONS:

- Named the co-chair of the Remote Advisory Council for the Harvard Public Schools (2020-2021).
- Elected by organizational vote and accepted 1-year term on the New England Association of Teachers of English – NEATE executive board as a Member at Large (2020 – 2021).
- Nominated and accepted 3-year term on the National Standing Committee Against Censorship – NCTE (2018 – 2021).
- Elected to (by township-wide vote) and served on the Bromfield School Council (2018 – 2021).
- Elected to (by township-wide vote) and served on the HES (Hildreth Elementary School) School Council (2017 – 2020).
- Served on the MRA (Massachusetts Reading Association) Student Membership Committee (2018 – Present).

Danette Day EDUCATION

Scholarship

PUBLICATION:

- Day, D. V., & Strittmatter, C. (2020). A Campus-Wide Collaborative Effort to Increase Student Sense of Belonging. *Journal of Perspectives in Applied Academic Practice*, Vol 8 (Issue 1), DOI: 10.14297.

RESEARCH IN PROGRESS:

- Special Grants Recipient, Fitchburg State University, Underrepresented Populations Use and Perceptions of Academic Libraries, the purpose of this research is to explore the perceptions and use of the Amelia V. Gallucci-Cirio Library by underrepresented students.

PANEL DISCUSSION:

- Teaching and Learning Hour, Center for Teaching & Learning, Fitchburg State University, November 17, 2021, Faculty Academy participants shared experiences from our interdisciplinary professional learning community where we explored the dynamic and highly engaging educational pedagogy known as Real Talk developed by Dr. Paul Hernandez.

PRESENTATION:

- Upward Bound Math & Science Program, Tuesday, December 8, 2020, 3:00 – 4:00 pm
- Habits of Mind: What they are and why they matter. Students were introduced to the 16 Habits of Mind framework developed by Costa, L.C. & Kallick, B. (2000).

Community Service and Engagement

- Juneteenth Panel Discussion, June 20, 2020 – Participated on a community panel to teach the history of Juneteenth, also known as Freedom Day which is nationally celebrated by African Americans annually on June 19th.
- Friends of the Fitchburg Abolitionist Park, Board of Directors Co-Chair, December 2018 to present. FFAP is a grassroots organization that builds pride and a sense of collective, historic identity and a sense of





community for Fitchburg residents, <https://www.abolitionistpark.org/>.

- NewVue Dialogues Participant - Community dialogues to find creative paths to Diversity, Equity and Inclusion, January - March 2021, sponsored by FSU Center for Professional Studies, <https://newvuecommunities.org/>.
- The Forge Theatre Lab, Board of Directors - The Forge Theater Lab in residence at Fitchburg State University develops new plays that ignite passionate conversations, <https://www.theforgetheaterlab.org/>.

PROFESSIONAL SERVICE:

- NEERO Board of Directors, Professional Development Strand Director - The New England Educational Research Organization (NEERO) creates space for educators to share their educational research with peers throughout New England and beyond, <https://www.neero.org/>
- MTA Task Force on Race, Task Member Dec. 2015 to present - The MTA and its Task Force on Race members reaffirm their commitment to eliminate discrimination in public education and “to prevent any encroachment on basic civil and human rights”, <https://massteacher.org/about-the-mta/committees/task-force-on-race>.

Karen DeAngelis

EDUCATION

Scholarship

- DeAngelis, K. (2020, June). Universal Design for Learning in Virtual Environments. Presentation offered through the Fitchburg State University Office Online Learning, Fitchburg, MA.
- DeAngelis, K. (2020, February). Incorporating Universal Design for Learning into Teacher Education Programs. Presentation at the Association of Teacher Educators Annual Conference, Atlantic City, NJ.

Community Service

- Served as a member of the Massachusetts Department of Elementary and Secondary Education’s (DESE) Mixed Reality Network during the Spring 2020 semester.
- Served as Kappa Delta Pi International Honor Society in Education Co-Counselor.
- Coordinated community-based events in collaboration with WORK, Inc., Fitchburg, MA.

Christine Devine

NURSING

Scholarship

- Fitchburg State University, Open Educational Resources Grant Recipient, Fall 2020.
- Course redesigned with OERs: Leadership and Management Concepts for Nursing Practice.

PROFESSIONAL PEER REVIEWED PUBLICATIONS:

- Devine, C.A, Chin, E.D., Sethares, K.A. & Asselin, M.E. Nursing student perceptions of academic and clinical integrity. *Nursing Education Perspectives*. Manuscript accepted May 18, 2020.

FSU SPEAKERS SERIES:

- Oral Presentation: “Nursing Student Perceptions of Academic and Clinical Integrity”. October 5, 2020.
- Oral Presentation: “Nursing Student Perception of Nursing Faculty as Role Model of Academic and Clinical Integrity”. February 25, 2020, Iota-Phi-at-Large Chapter (Worcester, MA) of Sigma Theta Tau International Nursing Honor Society.
- (Virtual) Poster Presentation: “Nursing Student Perceptions of Academic and Clinical Integrity”. Eastern Nursing Research Society (ENRS) Annual Scientific Sessions (accepted for Boston, MA, March 26-27, 2020, and redesigned as virtual conference).

Robin Dinda

HUMANITIES

Creative Activity

- *Seasonal Hymn Preludes* vol. 10 (Thanksgiving) (8 compositions) for organ was published by Wayne Leupold Editions.
- *Seasonal Hymn Preludes* vol. 11 (All Saints/Christ the King) (10 compositions) for organ was published by Wayne Leupold Editions, bringing the total number of hymn preludes he wrote for this series to 127. Additional volumes are planned.
- “The Halloween Ball” for organ and narrator, with both music and verses by Dinda, was published by Wayne Leupold Editions.
- “Come, You Lofty, Come, You Lowly”, for SAB chorus and keyboard, was published by The Sacred Music Press.
- Sechs Lieder ohne Worter (“Six Songs without Words”) were composed for Die Innovative Orgelschule (“The Innovative Organ School”) which was published in Lucerne, Switzerland by Andrea Kumpe.

Akwasi Duah

NURSING

Scholarship

- Duah, A (2020). Lived Experience of Caregivers of Relatives with Alcohol and Opiate Dependence (A Phenomenological Study). *Journal of Addiction Research and Therapy*, 11:395.

Community Service

- Advisory board member, University of Massachusetts Graduate School of Nursing.
- Alumnae advisory board member, University of Massachusetts Graduate School of Nursing.
- Panelist, "Friday Night's Open Discussion", a Facebook/YouTube live open discussions of health related, social issues affecting the Ghanaian population living in the New England area in the age of COVID. This is a community outreach program utilizing a trusted community based online television platform, SKF TV. The host of the program, Obea Daaku, is a senior year nursing student at the FSU Department of Nursing and a well trusted member of the Ghanaian community in the USA.

Melissa Dunn

NURSING

Scholarship

PUBLICATION:

- Dunn, M., Drew, C., O'Brien, J., Wood, M., Mora, E., Diener, S. & Perry, D.J. (2020). A community-academic partnership for school-based nonviolence education: The healthy power program. *Journal of School Health*, 90(1), 65-69. <http://doi.org/10.1111/josh.12850>.

PRESENTATION:

- Dunn, M. (2020, February 25). Asthma and Social Disadvantage: Exploring the Contextual Influences Affecting Family Asthma Management [presentation]. Iota Phi at-large-chapter of Sigma Theta Tau. Worcester, MA, United States.

Adem Elveren

ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship

REFEREED JOURNAL ARTICLES:

- Military Spending and Profit Rate: A Circuit of Capital Model with a Military Sector, *Defense and Peace Economics*, <http://dx.doi.org/10.1080/10242694.2020.1832394>.
- Is Informality a Barrier to Sustainable Development? (with Gokcer Ozgur and Ceyhun Elgin), *Sustainable Development*, 29(1): 45-65, 2021. <https://doi.org/10.1002/sd.2130>.
- Informality, Inequality and Profit Rate (with Ceyhun Elgin and Joseph Bourgeois), *Applied Economics Letters*, <https://www.tandfonline.com/doi/abs/10.1080/13504851.2020.1795065>.

OTHER PUBLICATIONS:

- Wrote two short pieces in national Turkish newspapers.

Community Service

- Invited to research on the financialization and militarization with the Security in Context research initiative.
- Reviewer for *Economics of Peace and Security Journal*, *Global Constitutionalism*, *New Perspectives on Turkey*, *Peace Economics*, *Peace Science and Public Policy*.

Petri Flint

HUMANITIES

Creative Activity

- Artwork selected for inclusion in the juried exhibition, Nor'easter, at the New Britain Museum of American Art in September 2020.

Randall Grometstein

BEHAVIORAL SCIENCE

Scholarship

- Balboni, Jennifer M., and Randall Grometstein. "Prosecutorial Reform from Within: District Attorney 'Disruptors,' 2016-2019." *Contemporary Justice Review: Issues in Criminal, Social, and Restorative Justice*, 23:3, 261-290.

Robert Harris

COMMUNICATIONS MEDIA

Creative Activity

- Commissioned to contribute Dancing with Shigeko, a short essay on my work with Shigeko Kubota, for the catalog to accompany the exhibition, Viva Video: The Art and Life of Shegeko Kubota, at the Niigata Prefectural Museum of Modern Art, Niigata, Japan. 2021.



Jonathan Harvey

HUMANITIES

Scholarship

- “Official State Rhetoric: the Civic Motets of Adrian Willaert.” Harrod Lecture, Fitchburg State University, November 2020.

Creative Activity

- “Stay-At-Home Sing-Along and Virtual Performance” concert season, Brattleboro (VT) Concert Choir.
- Douglas and Isabelle Crocker Center for Civic Engagement grant-funded collaborative virtual performance with Christ Church Fitchburg Chancel Choir.
- “4’33” by John Cage” remote performance video, Brattleboro (VT) Concert Choir.

Community Service

- American Choral Directors Association, Massachusetts Executive Board, Collegiate Chair.
- Choral Arts New England Board of Directors, Grants Committee Chair, DEI Committee member.
- University of Connecticut Choirs invited clinician, Storrs CT, January 2020.
- MassACDA Intercollegiate Choral Festival chair, Fitchburg MA, February 2020.

Michael Hoberman

ENGLISH STUDIES

Scholarship

- They have with faithfulness and care transmitted the Oracles of God unto us Gentiles’: Jewish kabbalah and text study in the Puritan imagination.” Essay included in *Kabbalah in America: Ancient Lore in the New World*, ed. Brian Ogren. Brill (2020).
- “The Counter Life of Judah P. Benjamin,” essay published in Arts and Letters section of *Tablet Magazine* (August 11, 2020). <https://www.tabletmag.com/sections/arts-letters/articles/judah-benjamin>.
- “Jews Out West,” essay published in Arts and Letters and History sections of *Tablet Magazine* (May 8, 2020). <https://www.tabletmag.com/sections/arts-letters/articles/18th-century-jews-american-west>.
- A Sephardic Lens on Early Los Angeles,” essay on Solomon Nunes Carvalho, commissioned and published by the UCLA Sephardic Archive Initiative, Alan D. Leve Center for Jewish Studies (2020). <http://www.sephardiclosangeles.org/portfolios/carvalho-in-los-angeles/>.

Michael Hove

PSYCHOLOGICAL SCIENCE

Scholarship

PEER-REVIEWED JOURNAL ARTICLES:

- Hove, M. J., Martinez, S. A.1 & Shorrock, S. R. .1 (in press). Physical exercise increases perceived musical



pleasure: Modulatory roles of arousal, mood, or dopamine? *Psychology of Music*.

- Hove, M. J., Martinez, S.1, & Stupacher, J. (2020). Feel the bass: Music presented to tactile and auditory modalities increases aesthetic appreciation and body movement. *Journal of Experimental Psychology: General*, 149, 1137–1147.
- Zhou, L., Shangguan, M., Xing, L., Yu, H., Hove, M. J., & Li, S. (2020). Separating the Effects of Stimulus-Gravity Compatibility and Stimulus-Response Compatibility on Visuomotor Synchronization. *Journal of Experimental Psychology: Human Perception and Performance*, 46(4), 405-415.

INVITED TALK:

- Biomechanics Seminar Series, University of Nebraska, Omaha, February, 2020.

Lynne Kellner

BEHAVIORAL SCIENCES

Scholarship

- Council for Standards in Human Services Education - Vice President of Publications.
- *The Bulletin: Best Practices in Human Services Education* – Editor.
- External Reviewer for Human Services programs seeking accreditation.

Ben Lieberman

ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship

- Lieberman, Benjamin. “From Nationalism to National Indifference: Binary Logic and Sense of Time.” *Nationalities Papers*, 2020, 1-18. doi:10.1017/nps.2020.53.
- Along with Dr. Elizabeth Gordon, revising *Climate Change in Human History: From Prehistory to the Present*, for a second edition.

Laurie Link

EDUCATION

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.
- Volunteer United Way Day of Caring.
- Advisory Board member Virginia Thurston Healing Garden, Harvard, MA.
- Volunteer, fundraiser, and participant in the Virginia Thurston Healing Garden QuarantEAM Walk to Thrive.

Megan Krell

BEHAVIORAL SCIENCES

Community Service

- Association for Counselor Education and Supervision: 2020/2021 Financial Investment Committee Taskforce Appointee.
- Massachusetts School Counselor Association: Board Member, Nominations & Bylaw Committee Chair, Graduate Student Liaison Selection Committee Appointee, and Emerging Leader Coordinator.
- National Organization for Human Services: Membership Rates Committee Appointee.
- New England Organization for Human Services: Membership Chair.
- North Atlantic Region Association for Counselor Education and Supervision: Treasurer and Awards Committee Member.
- Tau Upsilon Alpha, Kappa Nu Chapter: Faculty Advisor.

Yang Liu

BUSINESS ADMINISTRATION

Scholarship

- Liu, Y. & Parenti, F. M. (2019). Book Chapter 4: Economic Nationalism and Globalization, Evidence from China (Belt and Road Initiative). *International Firms' Economic Nationalism and Trade Policies in the Globalization Era* (DOI: 10.4018/978-1-5225-7561-0), published by IGI Global.
- Liu, Y. (2019). Book Chapter 11: Economic Nationalism and Foreign Direct Investment (FDI). *International Firms' Economic Nationalism and Trade Policies in the Globalization Era* (DOI: 10.4018/978-1-5225-7561-0), published by IGI Global.
- Liu, Y. & Greene, C. (2020). Book Chapter 9: The Dark Side of Big Data: Personal Privacy, Data Security and Price Discrimination. *Digital Transformation in Business and Society, Theory and Cases* (DOI:10.1007/978-3-030-08277-2; eBook ISBN: 978-3-030-08277-2; Hardcover ISBN:978-3-030-08276-5), published by Palgrave Macmillan.

- Liu, Y., Crawley, J & Lohmann, J. (2020). Case Study: A Chinese Social Video APP TikTok Violates Children's Privacy Laws in The United States. *Journal of Internet Law*, Volume 23, Number 9. Published: Wolters Kluwer, 28 Liberty Street, New York, NY 10005.

Nirajan Mani

ENGINEERING TECHNOLOGY

Scholarship

PRESENTATION & PUBLICATIONS:

- Mani, N. (2020). Critical factors affecting enrollment, performance, and retention & graduation rates of construction management undergraduate students. *Proceedings of 2020 Industry, Engineering, & Management Systems Conference*, Florida, March 15-17.
- Mani, N., & Chenot, D. K. (2020). Sustainable redevelopment in Fitchburg: A collaborative faculty-students-community engaged project. *Proceedings of 2020 Industry, Engineering, & Management Systems Conference*, Florida, March 15-17.

AWARDS & GRANTS:

- Received Special Project Major Grants (2020-2021), "Redevelopment of a Sustainable Fitchburg City: A Collaborative Faculty-Students-Community Engaged Project" at Fitchburg State University.
- Received "Perkins Teacher Externship Program" grant of amount \$400,000 from the Department of Education (Massachusetts Department of Elementary and Secondary Education) in summer 2020.

Creative Activity

- Conducted externship program for high school teachers (program conducted collaborating with Dr. James Alicata and Dr. Wayne Whitfield).
- Submitted two NSF proposals in collaboration with Dr. Keith Williamson, Dr. Danette Day, Dr. Hong Yu, Dr. Dennis Awasabisah, Connie Strittmatter, and Angele Goss on topics "Building Pathway for Careers in STEM" and "Investigating a Theory of Mindfulness-based Inclusive Practice in Early College High Schools" (under review).





- 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, 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.
- Organized several presentation programs for Engineering Technology faculty and students by inviting industry professionals.

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. (2021). *The impact of counseling on treatment for opioid use*. [Manuscript submitted for publication].
- Mariolis, T. Devine, C. Mchenga-Lewis, N. & Benes, D. (2021). *Nursing faculty leadership and teamwork: critical during the pandemic*. [Manuscript submitted for publication].

Community Service

- Steering Committee, and Preceptor Educator. University of Massachusetts Memorial Health Alliance-Clinton Hospital, Academic Practice Partnership, Member.

Christa Marr
ECONOMICS, HISTORY, AND POLITICAL SCIENCE

Scholarship

- Published “Local Intergenerational Mobility” with Chih Ming Tan and Andros Kourtellis in *European Economic Review* in May 2020.
- Presented “Local Intergenerational Mobility” at the Eastern Economic Association Conference in Feb 2020.

Kevin McCarthy
COMMUNICATIONS MEDIA

Scholarship

- Juror: Carole Fielding Grant, University Film Video Association (UFVA) – January 2020.
- Moderator/Facilitator: Documentary Viewing and Discussion Series, Lunenburg Public Library – Jan 2020.
- Peer Reviewer (Paper and Panel submissions): University Film Video Association (UFVA) conference – Spring 2020.
- Film Screener (short narrative film submissions): Austin Film Festival, Austin, TX– Summer 2020
- Peer Reviewer: Bachelor of Arts in Digital Film Program program review, Grand Canyon University – Fall 2020.

Creative Activity

- *OFFICIAL TEASER #2 REACTION!!!* (completed 2016) – Non-Fiction Short film (7 min)
- Screening & Panel: Festival of (In)appropriation #9 Encore Presentation (online), co-hosted by Los Angeles FilmForum & Northwest FilmForum – August 2020.
- *STUMPED* (completed 2017) – Documentary Feature film (72min)

SCREENINGS:

- Communications Media Faculty Screening – February 2020.
- Virginia Commonwealth University – March 2020.
- Sri Salaya Theater, Nakhon Pathom, Thailand – June 2020.
- Millersville University, Millersville, PA – October 2020.
- University of the Thai Chamber of Commerce – November 2020.
- FotoFilm Tijuana – November 2020.
- American Center in Moscow – December 2020.

Amy McGlothlin
HUMANITIES

Creative Activity

- Two performances at the Virtual Boston New Music Festival with the Pharos Quartet and Triage Woodwind Ensemble - November, 2020.

Community Service

- Named Editor Music Topics area of MERLOT: Multimedia Educational Resource for Learning and Online Teaching.

Sally Moore

HUMANITIES

Creative Activity

- Work approved for 2 solo sculpture shows, one at Howard Yezerski Gallery in Boston, and the other at the Chandler Gallery at Maud Morgan Center, for which I created a new series of work using paper and plastic bags as sculpting materials. Postponed due to the pandemic.

COLLABORATIONS:

- Untenable Grace, an audiovisual collaboration, First Parish in Brookline, online service. November, 2020.
- Sculpture & Photography: Sally Moore
- Video Production: Keith Kirchoff
- Music: Nocturne by Paul Lombardi, performed by Keith Kirchoff
- Leander's Swim, SPLICE (Summer institute for Performance, Listening, Interpretation, Creation of Electroacoustic music), created and performed scroll theater with imagery in charcoal to go with piano composition for online performance. Collaboration with Keith Kirchoff (pianist) and Sam Wells, composer. June 2020.

GROUP SHOWS:

- FSU Faculty Show, Fitchburg Art Museum, Fitchburg, MA.
- FSU Faculty Show, Hammond Gallery, Fitchburg State University, Fitchburg, MA.

Rachael Norton

MATHEMATICS

Scholarship

PUBLICATION:

- Duwenig, E. Gillaspay, R. Norton, S. Reznikoff, and S. Wright. Cartan subalgebras for non-principal twisted groupoid C^* -algebras, *Journal of Functional Analysis* 279(6) (2020).



PRESENTATIONS:

- "A Nevanlinna-Pick theorem in the context of the weighted Hardy algebra over a W^* -correspondence," AMS Special Session on Recent Advances in Function and Operator Theory at the Joint Mathematics Meetings, Denver, CO, January 2020.
- "Twisted groupoid C^* -algebras and their Cartan subalgebras," Everytopic Seminar, Brandeis University, December 2020.

Andrea Olmstead

HUMANITIES

Creative Activity

- Member of the New England Sculptors Association

LIST OF EXHIBITIONS:

- Remembrance, Memorial, Monument Grimshaw-Gudewicz Gallery Bristol Community College, Fall River, MA
- Fitchburg State University Faculty Show FSU Hammond Gallery, Fitchburg, MA
- Fitchburg Art Museum Faculty Show Fitchburg Art Museum, Fitchburg, MA
- Take a Stand, Attleboro Arts Museum, Attleboro, MA
- Clay Has It's Say, Narrative Ceramics Concord Art, Concord, MA

Community Service

- National Art Competition
- Art judge for the Boys and Girls Club of Fitchburg and Leominster

Julie Pierce Onos

BUSINESS ADMINISTRATION

Scholarship

- <https://temblor.net/earthquake-insights/earthquake-hazard-maps-may-overestimate-shaking-dangers-11929/>
- <https://onlinesos.org/blog/restraining-order-online-covid19-what-know>
- <https://www.media-diversity.org/how-journalists-cover-police-brutality-is-a-matter-of-life-and-death/>

Community Service

- Member of the Diversity, Equity and Inclusion Commission (DEIC) for the Town of Acton, MA.

Ozge Ozay

ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship

PEER-REVIEWED JOURNAL ARTICLES:

- Armagan Gezici & Ozge Ozay, 2020. "An Intersectional Analysis of COVID-19 Unemployment," *Journal of Economics, Race, and Policy*, Springer, vol. 3(4), pages 270-281, December. (2020). <https://doi.org/10.1007/s41996-020-00075-w>.

WORKING PAPERS:

- Armagan Gezici & Ozge Ozay, 2020. "How Race and Gender Shape COVID-19 Unemployment Probability," *UMASS Amherst Political Economy Research Institute Working Papers*, No:521, August. (2020).

Reid Parsons

EARTH AND GEOGRAPHIC SCIENCES

Scholarship

- Spring 2020: Lead author on research published to the open-access journal "Progress in Earth and Planetary Science" addressing ice sheet dynamics on the large volcanoes of Mars.
- Spring 2020: Hired 2 students to analyze high-resolution images of Mars.
- Summer 2020: Continued with 3rd year of NASA-funded research addressing the history of rock-covered glaciers on Mars.
- Summer 2020: Peer Reviewer for academic journal: "Nature: Astronomy".
- Fall 2020: Co-authored research published in the Proceedings of the National Academy of Sciences addressing multiple ice ages on Mars (published Jan, 2021).
- Fall 2020: Included as collaborator on NASA funding proposal led by researchers at Boeing, proposal was eventually denied funding.

Community Service

- Spring 2020: Hosted and provided activities for a Cub Scout Troop from Ayer to attain their "NOVA" science award.
- Fall 2020: Met virtually with 5th graders in Amherst, MA to discuss planets and planetary science research.

Ben Railton

ENGLISH STUDIES

Scholarship

- "We the People: The 500-Year Battle over Who is American," Book talk at the Massachusetts History Society, 2/27/2020.
- "Trump's 'Patriotic Education' Commission Yet Another Battle Over the Meaning of Those Worlds," *History News Network*, 9/20/2020.
- "Ben Railton—'Of Thee I Sing,'" *Axelbank Reports History and Today* podcast, Episode 13 (September 2020).
- "We're Still Not Talking about the Patriotism America Needs," *U.S. Intellectual History Blog*, 10/24/2020.
- Monthly Considering History column, *Saturday Evening Post*.



Sean Rollins

BIOLOGY AND CHEMISTRY

Scholarship

- Publication: OpEd - COVID19 Complications (In Testing). Published in the Worcester Telegram

Robert Shapiro

EDUCATION

Scholarship

JOURNAL ARTICLE:

- Redesigning a University Class in Classroom Behavior Support: Social Emotional Learning and Positive Behavior Support Strategies Taught Through Service-Learning - being edited for publication in the *Journal of Service-Learning in Higher Education*.

Charles Sides

COMMUNICATIONS MEDIA

Scholarship

- "Black Lives Matter" (poem) *The New Verse News*, 2020.
- Executive Editor, *Journal of Technical Writing and Communication*, Sage Publications, 1995 – Present.
- Co-Editor, *The SUNY Series: Studies in Technical Communication*, SUNY Press, 2018 – Present.

Denise Simion

BUSINESS ADMINISTRATION

Scholarship

PUBLICATION:

- Will Broadband Internet become a public utility in the post-COVID-19 United States? In "Unequal World Conference: Book of Abstracts" (2020) ISBN: 978-1-945298-29-5.

CONFERENCE PRESENTATION:

- ‘Will Broadband Internet become a public utility in the post-COVID-19 United States?’ Unequal World Conference on Human Development (United Nations Plaza) (September 28-29, 2020)

CONFERENCE SESSION CHAIR:

- Unequal World Conference on Human Development (United Nations Plaza) (September 29, 2020)

WORKSHOP PRESENTATION:

- ‘Data Revolution: Ethical Creativity in Scientific Research’ 2nd International Workshop: Scientific Research and Academic Ethics in association with the International Conference “Integrity and Freedom of Conscience” (November 5, 2020)

GRANT WORK:

- Created network engagement survey for Accelerated Program MBA Students. Collected and disseminated data to rest of team (Scapparone, R., Liu, Y., Lohmann, J.) Title: Micro-Social Networks to Increase MBA Persistence and Success.

Community Service

- IPSEC: Trustee Chairperson
- Unequal World: Scientific Committee Member and Organizing Committee Member.
- 2nd International Workshop: Scientific Research and Academic Ethics: Organizing Committee Member.

Marian Simion (Visiting Professor)

BUSINESS ADMINISTRATION

Scholarship

PUBLICATION:

- E-Book Publication (New York, NY) Nelu Burcea, Marian Gh. Simion, and Denise E. Burrill, *Book of Abstracts: UNEQUAL WORLD Conference Human Development in the Context of Current Global Challenges*, New York, NY September 28-29, 2020; 777 United Nations Plaza, New York, NY 10017. ISBN: 978-1-945298-29-5. <http://unequal.world/wp-content/uploads/2020/10/Book-of-abstracts.pdf>

EDITOR-IN-CHIEF:

- Editor-in-Chief of *Philologia journal of the Academy of Arts and Sciences of Republic of Moldova* (Chisinau, Moldova) *Philologia* is a Tier 2 leading journal of national scientific research in the Republic of Moldova, and the legal heir of *Moldovan Language and Literature*, published inside the Soviet Union during 1958-1989, and of *The Journal of Linguistics and Literary Science*, published during 1990-2009, after Republic of Moldova gained its independence. <https://philologia.ifr.md/en/editorial-board-2/>

REVIEWER:

- Peer Reviewer for *Hervormde Teologiese Studies* (Pretoria, South Africa) double-blind reviewer for two scientific papers considered for publication in *Hervormde Teologiese Studies*. *HTS* is a Tier 1 journal

of religious studies published by the University of Pretoria in South Africa. ISSN: (Online) 2072-8050, (Print) 0259-9422 <https://hts.org.za>

PRESENTATIONS:

- Keynote Address titled, “Delusive Academic Ethics: teaching for capitalism, not for civilization” at the 2nd International Workshop “Scientific Research and Academic Ethics” at the Romanian Academy of Arts and Sciences, November 5, 2020. <http://orthodoxpeace.org/en/resources/newscenter.htm>
- Keynote Address titled “Human Vulnerability between Soft Religion and Hard Religion” at the international human rights conference under the patronage of the Lower House of the Romanian Parliament, under the title “Integrity and Freedom of Conscience” at the Romanian Parliament, Bucharest on November 19, 2020 (online). <http://orthodoxpeace.org/en/resources/newscenter.htm>

Creative Activity

EDUCATIONAL VIDEOS:

- Four educational videos in Romanian language on religion in the public life; distributed online by Spiritual Market Video Channel: “Why do we believe the political liar?” (February 20, 2020); “Ritual and Self Awareness” (February 5, 2020); “How the secular state mimics organized religion” (January 29, 2020); “The egoism of the martyr and the egoism of a hero” (January 22, 2020) <https://www.facebook.com/SpiritualMarketMedia>

Community Service

SERVICE:

- President & CEO of Institute for Peace Studies in Eastern Christianity www.ipsec.education

BOARD MEMBERSHIP:

- Law Review, Romania, appointed member in the Editorial Board of the law review, *Acta Universitatis ‘George Bacovia’ Juridica*. ISSN 2285-0171 (Print) ISSN 2285-1933 <http://juridica.ugb.ro/editorial-board>





CONFERENCE ORGANIZER:

- Human Rights Conference, Parliament of Romania, Bucharest, Co-organized the annual human rights conference held under the patronage of the Lower House of the Romanian Parliament, under the title “Integrity and Freedom of Conscience” at the Romanian Parliament, Bucharest on November 19, 2020 (online). <http://orthodoxpeace.org/en/resources/newscenter.htm>
- International Workshop, Romanian Academy of Arts and Sciences, Bucharest
- Co-organizer of the 2nd International Workshop titled “Scientific Research and Academic Ethics” at the Romanian Academy, Bucharest, on November 5, 2020 (online). <http://orthodoxpeace.org/en/resources/newscenter.htm>

Joshua Spero

ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship

- “Partnerships for Peace,” chapter in *Research Handbook on NATO* (Edward Elgar Publishers).
- “The U.S.-Iran Confrontation and Iraq’s Uncertain Fate – Yet Again,” *Lowell Sun/Fitchburg Sentinel & Enterprise* (January 2020).
- Fitchburg State University’s Special Projects Grant to support faculty scholarship/Research Assistant Award; Center for Teaching/Learning Research/Travel Scholarship; Faculty Union Research/Travel Scholarship.

Community Service

- Forum Participant: “Post-Election Forum: Insights and Answers to U.S. Election” via Google Meet (Nov 2020).

- Faculty Moderator: Fitchburg State/Germany Partner Rhine-Waal University-to-University U.S. Election Night Webex Discussion (November 2020).
- Faculty Moderator: Falcon Talks: Dr. Michael Miner ‘08 Presents “Beyond 2020: America, China, and World Order” (Fitchburg State University / Google Meet June 2020).
- Faculty Research Spotlight: Lead article in Research Live, Center for Faculty Scholarship, “Bridging Divides and Building Trust” (March 2020).

Connie Strittmatter

LIBRARY

Scholarship

- Day, D. V. & Strittmatter, C. (2020). Student involvement on a campus committee and its impact on sense of belonging: A reflection on a collaboration effort to honor Dr. Martin Luther King, Jr. *Journal of Perspectives in Applied Academic Practice*, 8(1), 94-103. <https://doi.org/10.14297/jpaap.v8i1.403>

Community Service

- Reviewer - *Marketing Library Journal*
- Review - *Journal of Copyright and Education in Libraries*
- Committee member of PR Xchange.
- Committee Member, LLAMA American Library Association
- Trustee, Hubbardston Public Library

David Svolba

HUMANITIES

Scholarship

- Working on a book with Tom Schilling (Psychological Sciences) titled *Consciousness: An Interdisciplinary Guide for Students*, to be published by Broadview Press in 2022.

Collin Syfert

ENGLISH STUDIES

Scholarship

PRESENTATIONS:

- Syfert, C. & K. Lind. Unity, Vulnerability, and the Marginalized: Face Mask Imagery as Interpretive Schema during the Covid-19 Pandemic. National Communication Association, Indianapolis, IN.
- Syfert, C. & M. Bellinger. Welcome to the Green New Deal: On Hospitality and Rhetorical Ambiguity, a research paper accepted for presentation at the 19th Biennial Rhetoric Society of America Conference, Portland, OR, May. Conference subsequently canceled due to COVID-19 pandemic.

RESEARCH:

- Diachronic and Synchronic Analysis of the Green New Deal Metaphor and Policy Platform.

- How News Spread During a Pandemic: Platforms, Populations, and Politics (with J.J. Sylvia, V. Lorencova, K. Moody, W. Unus, & R. Fratentonio).
- In Service of Society: Self-Reflexive Discourses in a Scientific Community.
- Roman and Italian Rhetorical Thought (Amelia V. Gallucci-Cirio Award).
- The Public Advocacy of Climate Scientists.

AWARDS:

- National Communication Association Environmental Communication Division Dissertation Award (Expert Advocacy: The Public Address of Scientists in a Post-Truth Society).

GRANTS:

- Open Educational Resources Grant, Fitchburg State University

Community Service

- Host and Presenter, 2020 Presidential Debate Virtual Watch Party (with Wafa Unus and Katherine Jewell).
- Participant, OER Community of Practice.
- Presenter, Fitchburg Community Read of Underland by Robert MacFarlane (with Kisha Tracy, Ben Railton, Steve Edwards, Chris Picone, and Diego Ubiera).
- Reviewer, Association for Rhetoric, Science, Technology, and Medicine.

J.J. Sylvia, IV

COMMUNICATIONS MEDIA

Scholarship

PUBLICATIONS:

- Sylvia IV, J.J. 2020. "The Biopolitics of Social Distancing." in *Social Media + Society*, 2k Special Issue. Vol. 6, Issue 3.
- Sylvia IV, J.J. 2020. "Building an Epistemology: Media Literacy with Community Dialogue." *Digital Rhetoric Collaborative*. July 20. <http://www.digitalrhetoriccollaborative.org/2020/07/20/building-an-epistemology-media-literacy-with-community-dialogue/>.
- Sylvia IV, J.J. 2020. "The Varieties of Online Learning Experiences." *The Society for Research into Higher Education*. December 9. <https://srheblog.com/2020/12/09/the-varieties-of-online-learning-experiences/>.

[com/2020/12/09/the-varieties-of-online-learning-experiences/](https://www.philosophersinamerica.com/2020/08/28/the-first-amendment-and-censorship/).

- Sylvia IV, J.J., Kyle Moody, Shannon Creedon-Axtell, Jonathan Flerra, Owen Fraga, Joshua Groggin, Matt Makris, and Ian Poyant. 2020. "The First Amendment and Censorship." *The Society of Philosophers in America*. August 28. <https://www.philosophersinamerica.com/2020/08/28/the-first-amendment-and-censorship/>.
- Sylvia IV, J.J., Kyle Moody, Landon Callahan, Megan Ptak, Cameron Barry, Evan Hanson, Anthonio Garcia, Dylan Aquino, and Joey Bertolino. 2020. "The Ethics of Targeted Advertising." *The Society of Philosophers in America*. August 25. <https://www.philosophersinamerica.com/2020/08/25/the-ethics-of-targeted-advertising/>.
- Sylvia IV, J.J. and Elise Takehana. 2020. "Challenges of Remote Teaching: Lessons from Fitchburg State University." *MSCA Perspective*.

PRESENTATIONS:

- Sylvia IV, J.J. The Varieties of Online Learning Experience – A Study of the Infodemic. Digital Technology, Lockdown, and the Post-Pandemic University. Online. October 21.
- Buell, Catherine, J.J. Sylvia IV, Elise Takehana, Joseph Wachtel. We Are the Public. Faculty Research Symposium. Fitchburg State University, online, November 18.
- Tracy, Kisha, J.J. Sylvia IV, Wafa Unus, Karina Bautista, Kori Ryan, Zachary Miner, Ozge Ozay. Integrative Learning Outcomes and the Ambassador's Program. Fitchburg State University, online, November 10.
- Barricelli, Franca, Zak Lee, Elise Takehana, and J.J. Sylvia IV. The Purpose of It All – Liberal Learning, Our Students, and the Urgency of Now. Fitchburg State University, online, October 8.
- Sylvia IV, J.J. Data and Democracy. Presented at Adult Learning in the Fitchburg Area Salon, Lunenburg Public Library, Lunenburg, MA, April 22. Postponed due to COVID-19. Presented online October 7.
- Sylvia IV, J.J. Tech Tools for Student Engagement: Perusall. Fitchburg State University. Online. June 18.
- Takehana, Elise, and J.J. Sylvia IV. Swipe Right: LAS's Integrative Learning as an Opportunity for Making Interdisciplinary Matches. Presented at Faculty Development Symposium. Fitchburg State University, Fitchburg, MA. January 26.
- Sylvia IV, J.J. Interpersonal Communication. Development Program presented at Fitchburg State University, Fitchburg, MA. January 9.

Creative Activity

- Becoming Data: A Digital Humanities Project. Presented at Fitchburg State University Speakers Series. Fitchburg State University, Fitchburg, MA, March 2.
- Informational video for M.S. in Applied Communication, Social Media Concentration.



Community Service

- The Ethics of Search Engines. Online Public Discussion via Zoom. November 18.
- The Ethics of Cancel Culture. Online Public Discussion via Zoom. November 12.
- The Ethics of Fake News through Social Media. Online Public Discussion via Zoom. November 6.
- 3D Printing and Donating Mask Buckles for Communications Media Department and local hospitals.
- The First Amendment and Censorship. Online Public Discussion via Zoom. April 30. <https://youtu.be/rcGrQmRfDHO>.
- The Ethics of Targeted Advertisements. Online Public Discussion via Zoom. April 27. <https://youtu.be/vbluAf8-h2o>.
- Reviewer, *Deleuze and Guattari Studies* journal.
- Reviewer Board, *Information* journal.
- Reviewer Board, *Future Internet* journal.
- Reviewer, *Mathematics* journal.
- Reviewer, *Social Sciences* journal.
- Reviewer, *Applied Sciences* journal.
- Reviewer, *Society of Philosophers in America* discussion guides.
- Reviewer, *Sustainability* journal.
- Reviewer, *The Journal of Technical Writing and Communication*.
- Proposal Reviewer, Eastern Communication Association Conference, Applied Communication and Communication and Technology Divisions.

Teresa Fava Thomas

ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship

PUBLICATIONS:

- “Sanctuary of Fortuna Primigenia at Palestrina, Italy” published in *Ancient History Encyclopedia*, and accessible at: <https://www.ancient.eu/article/1643/sanctuary-of-fortuna-primigenia-at-palestrina/> November 23, 2020.
- Interviewed by Umberto Mucci: “The Italian Slaves in the USA: The Padrone System” in *We the Italians* magazine, Rome, Italy, issue #131, September 2020.

CONFERENCE PRESENTATIONS:

- Center for Teaching and Learning/LA&S panel on “Disciplinary Ways of Knowing,” panel member on Historical Ways of Knowing, November 29, 2020.

Kisha Tracy

ENGLISH STUDIES

Scholarship

PUBLICATIONS:

- “Introduction: Bisclavret.” *Medieval Disability Sourcebook*. Ed. Cam McNabb (punctum: 2020). 233-241.



- Tracy, Kisha, and Alicia Protze. “Introduction and Translation: Saint Mary of Oegines.” *Medieval Disability Sourcebook*. Ed. Cameron McNabb (punctum: 2020). 220-230.
- “Speech: Medieval Representations of Speech Impairments.” *Cultural History of Disability in the Middle Ages*. Eds. Jonathan Hsy, Joshua Eyler, and Tory Pearman (Bloomsbury: 2020). 99-113.
- “Curating Medieval Mental Disability.” *All of Us* (22 Apr. 2020): 1284 words.

PRESENTATIONS:

- Invited Panelist, University of Kent Centre for Medieval and Early Modern Studies Online Lecture Series; “Memory and Confession: A Roundtable”; Dec 10, 2020.
- Invited Facilitator, “Digital Humanities and 21st Century Citizenship,” FSU Center for Faculty Scholarship; Nov 18, 2020.
- Invited Speaker, University of Central Oklahoma Medieval Society; “Medieval Disability”; Nov 12, 2020.
- Invited Presenter, Boston University African Studies Center; “Affirming Students’ Cultural Identity Through Images”; Oct 21, 2020.
- Invited Keynote, CHEurope, “Critical Heritage Studies and the Future of Europe” (virtual conference); “The Significance of Disability Cultural Heritage”; Oct 15-16, 2020.

EXHIBITIONS CURATED:

- “Disability Heritage: From the Medieval to the Local”; Cultural Heritage through Image; launched Aug 2020.
- “Cultural Heritage through Image: Scandinavian Edition”; Scandinavian Cultural Center; Dec 2019-Jan 2020.

Jared Vanasse

EARTH AND GEOGRAPHIC SCIENCES

Scholarship

- The paper “Effective field theory analysis of boson-trimer bond lengths to next-to-leading order” with authors Julia Qin and Jared Vanasse has recently been published in *Phys. Rev. A* 103, 023333 – Published 25 February 2021.

- The paper “Electric dipole moments of three-nucleon systems in the pionless effective field theory” with authors Zichao Yang (Tennessee U.), Emanuele Mereghetti (Los Alamos Natl. Lab., Theor. Div.), Lucas Platter (Tennessee U. and Oak Ridge), Matthias R. Schindler (South Carolina U.), and Jared Vanasse was submitted to the arXiv with arXiv identifier 2011.01885. This paper was submitted to *Physical Review C* and is currently under review for publication.
- The paper “Large-N_c and renormalization group constraints on parity-violating low-energy coefficients for three-derivative operators in pionless effective field theory” with authors Son T. Nguyen (Duke U.), Matthias R. Schindler (South Carolina U.), Roxanne P. Springer (Duke U.), Jared Vanasse was submitted to the arXiv with arXiv identifier 2012.02180. This paper was submitted to the *Physical Review C* and is currently under review for publication.
- Invited talk at the Annual 2020 Fall Meeting of the American Physical Society Division of Nuclear Physics. The talk titled “Fundamental Symmetry Violations in Nuclear Systems” was given on October 30, 2020.

Jeff Warmouth

COMMUNICATIONS MEDIA

Creative Activity

- Urgent Blowout - new inflatable sculpture & video (2019), featured in:
- Jeff Warmouth: Urgent Blowout, solo exhibition at Boston Sculptors Gallery, Dec 2020 - Jan 2021.
- 404 International Festival of Art & Technology, Rosario, Argentina (virtual).
- Faculty Exhibition: Art & Communications Media, Fitchburg Art Museum, Fitchburg, MA.
- New Work from Art & Communications Media Faculty, Fitchburg State University, Fitchburg, MA.

OTHER EXHIBITIONS, FESTIVALS & SCREENINGS:

- Revolutions Per Minute Festival, University of Massachusetts, Boston, MA.
- (com)posto, Academia Nacional de Belas-Artes, Lisbon, Portugal.
- Franchise 3, Gallery 1988, Los Angeles, CA, curated by Scott Listfield.
- RING: Annual Members’ Exhibition, Boston Sculptors Gallery, Boston, MA.
- The Window Show, Boston Cyberarts Gallery, Boston, MA.

PUBLICATIONS:

- Emily Hood & Joe Fusaro, *The Visual Experience*, Davis Publications, 4th edition, 2020 (artwork featured in textbook).
- Greg Cook, “Giant Inflated Head Stuffed with Ideas, Daily Concerns, Neuroses”, *Wonderland*, Jan 17, 2020, review of solo exhibition.
- Mark Favermann, “Digital Media – Public Art Is a Bridge to Our New Normal”, *The Arts Fuse*, Sep 17, 2020, review of Art on the Marquee group exhibition.

Amy Wehe

MATHEMATICS

Scholarship

CONFERENCE PRESENTATION:

- “Classifying Data in Statistics.” Presented at the NE-IBLM Fall Conference 2020, ONLINE, October 24, 2020.

Community Service

- Section Next Coordinator for the Northeast Section of the Mathematical Association of America (MAA).

GRANT WORK:

- Received an OER Grant from Fitchburg State University’s Open and Affordable Education Committee. The two \$500 grants supported the adoption of high quality, no cost, freely accessible resources (Open Educational Resources) awarded for two courses-- Math 1700 Applied Statistics and Math 4200/4250 Probability and Statistics I and II.
- Member of the implementation team of the \$250,859 Davis Educational Foundation grant to map core career competencies to students’ academic work and then create an action plan easily digestible by prospective and current students as they plan their Fitchburg State University experience with their career trajectory in mind.

Daniel Welsh

BIOLOGY & CHEMISTRY

Scholarship

- Acted as a reviewer for the Biological Journal of the Linnean Society and reviewed a scientific manuscript submitted for publication to the journal.
- Organized a session of oral presentations focused on fish biology in the upcoming 2021 Northeast Natural History Conference.
- Served as a reviewer of a population Evolution textbook as the authors work on creating a new edition.

Community Service

- Served as a judge at two science fairs, the Nashoba Regional Science Fair and the Worcester Regional Science & Engineering Fair.





Hong Yu

ENGINEERING TECHNOLOGY

Scholarship

PUBLICATIONS:

- Hong Yu, Joushua Lorrain, Fanming Liu, Cory Lo, “Cross-platform for the development environment of smart home system”, ISBN: 978-1-7281-9656-5, *IEEE Xplore Digital Library*, pp567-pp570, December, 2020.
- Jing Wang, Anqi Hou, Yuanfei Tu, Hong Yu, “An Improved DV-Hop Localization Algorithm Based on Selected Anchors”, *Computers, Materials & Continua (CMC)*, ISBN: 1546-2226, Vol.65, No.1, pp 977-991, April, 2020.

CONFERENCE PRESENTER:

- Hong Yu, “Cross-platform for the development environment of smart home system”, 2020 11th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON), Virtual Conference, Oct. 28-31, 2020.
- Hong Yu, “Color Recognition, Sorting and Counting Automation Control System”, 2020 The Association of Technology, Management and Applied Engineering (ATMAE) and IAJC Virtual Joint Conference, November, 5, 2020.
- Hong Yu, “The Computerized Sensor Data Displaying on LCD and Smart Phone Synchronously in Environment Monitor System”, 2020 The Association of Technology, Management and Applied Engineering (ATMAE) and IAJC Virtual Joint Conference, November, 6, 2020.
- Hong Yu, Cory Lo “Integrating Multiple Computerized Sensors using a Microcontroller displaying LCD”, 2020 CFS Faculty-Student Annual Grant, May 1, 2020.
- Hong Yu, Joshua, Lorrain, “Environmental Monitor System with Visual Analysis of Sensor Data”, 2020 CFS Faculty-Student Annual Grant, May 13, 2020.

AWARDS:

- Received 2020 Center for Faculty Scholarships(CFS) Faculty-Student Annual Grant at Fitchburg State University, “Integrating Multiple Computerized Sensors using a Microcontroller displaying LCD”.
- Received 2020 Center for Faculty Scholarships(CFS) Faculty-Student Annual Grant at Fitchburg State University, “Environmental Monitor System with Visual Analysis of Sensor Data”.
- Received 2020 Special Projects Grant (Major Grant) at Fitchburg State University, “Multiple Embedded Sensor System Performance Platform for Solar Decathlon”.

CONFERENCE ACTIVITY:

- Co-chair, Electrical Engineering Section, IAJC-ATMAE conference executive board, October 7-9, 2020.
- Co-chair, IEEE MIT Undergraduate Research Technology Conference, October 9 – 11, 2020, Cambridge, Massachusetts, USA (Virtual conference).

Creative Activity

- Guidance the proposal for the undergraduate research conference (the virtual conference) Title: “Smart robot car controlled by the voice commands”.
- Guidance the proposal for the undergraduate research conference (the virtual conference) Title: “Tracking number during the pandemic”.

JOURNAL AND CONFERENCE PUBLICATION

PEER-REVIEWER:

- Peer reviewer, IEEE Transactions on Neural Networks and Learning Systems, 2020.
- Peer reviewer, the 11th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference, 2020.

Community Service

- Senior member, Institute of Electrical and Electronics Engineers (IEEE), USA, 2013 – Present.
- Vice chairman, IEEE Robot Society, IEEE Worcester Section, USA, 2020 – Present.
- Vice chairman, IEEE Aerospace and Electronic Systems Society (AESS), Baltimore section 2016 – 2020.
- Judge, Robotic Challenge, Institute of Electrical and Electronics Engineers (IEEE), USA, Baltimore. 2013 – Present.
- Judge, FIRST LEGO League challenges, USA, 2020 – 2021.

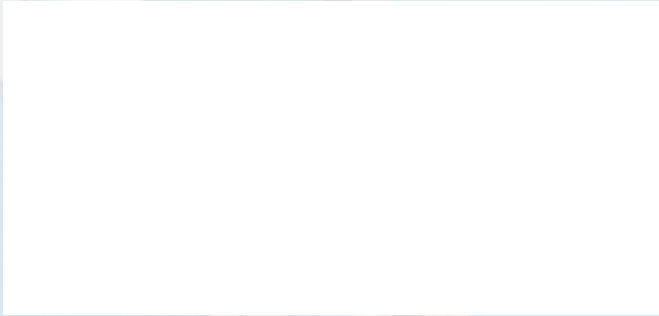


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HAMMOND HALL