Profiles of Faculty Scholarship

HIGHLIGHTS OF RESEARCH, PUBLICATIONS
AND CREATIVE ACTIVITY

September, 2016 – September, 2017

FITCHBURG STATE
UNIVERSITY

Published May 2018
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.
Politics in Verse

For DeMisty Bellinger-Delfeld, poetry is a political statement, even if that’s not its primary function. “Poetry still has to be beautiful,” she said. “It still has to entertain, even if it’s about tough subjects. But to ignore politics is a disservice.”

Politics has been on Bellinger-Delfeld’s mind a lot since the 2016 election and the challenging cultural conversations that have emerged since. Among her recent poems are works that explore themes of race and gender.

“All writing is entering into a greater conversation. That’s been the case since Beowulf,” she said. “My poetry has certainly gotten more political as I’ve gotten older.”

And while one of her pieces was published in Nasty Women Poets: An Unapologetic Anthology of Subversive Verse (Lost Horse Press, 2017), a volume that took its name from a very current political phrase, Bellinger-Delfeld knows the themes of sexual harassment and discrimination explored in the work will transcend this moment in time.

Poetry is a good medium for such exploration, she said. “Poems are immediate and get to the essence of an idea on the page,” she said. “Poems are pure. Nietzsche said, ‘We have art to save ourselves from the truth.’”

Bellinger-Delfeld said her classes have done a good job discussing political poetry without anyone resorting to proselytizing, even though diverse opinions are expressed.

“My students handle the poems we read well and find good ideas in them,” she said, adding she’s even more impressed by what happens when students embark on creative writing sessions in class. “I’m always amazed at what our students can do in 15 minutes.”

Beyond verse, Bellinger-Delfeld is exploring themes of race and culture in other linguistic forms. She is currently revising a novel about a father who believes that his privileges are being threatened (by having a black president, or the prospect of a woman president). “The book tries to answer the question of how such a person would respond to a supposed threat from the other,” she said.

She’s also developing a scholarly paper on cultural appropriation, looking at how to write about other cultures—including gender and sexuality—with appropriating, “exoticizing” and controlling that culture. She hopes the finished piece will inspire thought about writing toward an exchange rather than an adoption or interpretation of a non-dominant culture. “I also talk about who has agency to write about whom, and when should we write about other cultures,” she said.

Bellinger-Delfeld communicates with her students frequently about her own writing and its associated challenges. “When it’s relevant, I talk about the research I do for both creative and academic work,” she said. “I talk about my writing process, about still having the need of peer reviewing, and I talk about revising. I feel more comfortable in the classroom when I am able to offer examples of my writing life or the writing lives of fellow friends.”
Filling a Void

Professors Ben Lieberman and Elizabeth Gordon co-authored their book about the relationship between human beings and global climate out of a sense of need.

“The book arose out of a team-taught class that brought together our fields of geophysical science and history to focus on a topic of extreme importance,” Lieberman said. “It is invaluable, in my opinion, for Fitchburg State students to have the chance to take these kinds of interdisciplinary courses.”

Gordon agreed. “It not only covers an important topic in the geosciences, but it teaches students how to integrate the methods and evidence from different disciplines to address a critical issue,” she said. “To reach across disciplines was really fascinating, and gave me a new approach to climate science.”

Their team-taught course was first offered in 2012 but both professors were dissatisfied with the available textbooks on the subject.

“There wasn’t anything that covered the subject area the way we wanted to cover it,” Gordon said.

“Climate research is ever expanding, and historians have established environmental history as a major field, but we found that the books available to provide an overall guide for students were lacking for a variety of reasons,” Lieberman said.

So they decided to write one of their own, with the project becoming sabbatical efforts for both professors in 2015 and 2016. *Climate Change in Human History* was published in January by Bloomsbury Academic, an imprint of Bloomsbury Publishing.

The finished volume provides an up-to-date and concise introduction to the relationship between human beings and climate change throughout history. Spanning hundreds of thousands of years, it illustrates how natural climate variability affected early human societies, and how humans are now able to alter climate drastically within much shorter spans of time. The book explains how human civilization thrived during a comparatively stable period in climate and how fluctuations in climate also created risks and challenges. It concludes by outlining the key human role since industrialization in bringing about accelerating climate change.

Professors Gordon and Lieberman’s co-taught class on climate change and human history will next be offered in fall 2018.

Elizabeth Gordon
ASSOCIATE PROFESSOR, CHAIRPERSON
EARTH AND GEOGRAPHIC SCIENCES

Benjamin Lieberman
PROFESSOR, ECONOMICS, HISTORY, AND POLITICAL SCIENCE

“The book arose out of a team-taught class that brought together our fields of geophysical science and history to focus on a topic of extreme importance.”
Scholarship for Community

Jane Huang said the applied scholarship model she has explored in her research emerged from necessity. “Many incoming students don’t understand the value of geography,” she said. “The only way to help them understand this is through application.”

That approach has been embodied in several recent projects that have been valuable for her students as well as the city in which the university resides. The multi-agency ReImagine North of Main initiative, seeking to improve quality of life in neighborhoods including those abutting the Fitchburg State campus, sought Huang’s assistance. With a team of students, she helped create detailed maps for spatial analysis of the neighborhoods and their conditions. City leaders and planners praised the work and the functionality of the tool that Huang and her team created for the ongoing revitalization initiatives.

Huang was also part of a contingent of nine faculty who worked with teams of students on a pair of interdisciplinary, grant-funded research projects exploring public health and environmental health in the region. She oversaw students who identified fitness and recreation resources available in the city—from parks to hiking trails—resulting in maps that were given to more than 100 city residents who were surveyed by team members. The results of the analysis led to recommendations designed to help improve park usage in the city.

The health of the Nashua River that runs through the city was the focus of another grant-funded project. Geographic information systems applications were used to examine changes in land use and to simulate terrain through two- and three-dimensional models. Taken together, these tactics will help analyze the environmental health of the river itself. The project continues this summer.

“I hope students realize they can apply what they’ve learned in class.”

The success of Huang’s applied scholarship model is also tied to fostering good relationships with the community. Too often academia can have a condescending tone, she said. “Instead, we work with (clients) on what they want,” she said.

Huang has looked for ways to bring her research interests to the classroom throughout her time at Fitchburg State. “I hope students realize they can apply what they’ve learned in class,” she said, noting many of her students have found paid internships and jobs in the field after their projects. “The word’s starting to spread, which is helping the department grow.”
Connecting with an Audience

It’s all about figuring out the story. That’s Professor Kevin McCarthy’s foundational lesson to his film students, and that search for compelling stories has led to the creation of diverse projects that screened in the past year.

From the inspirational true story of a man learning how to live his life anew in the face of life-threatening illness to a ground-level view of a David and Goliath labor dispute that riveted the region for weeks one recent summer, the works are compellingly human.

McCarthy served as a producer and videographer on the documentary feature film STUMPED, which chronicles William Lautzenheiser’s recovery from quadrilateral amputation. Lautzenheiser is a fascinating and candid subject, finding dark humor in his condition while finding the will to persevere through the love of family and friends.

McCarthy knew the film’s director and was brought on board when it grew from a short subject to a feature.

“We had to start fundraising, and I took on that responsibility,” he said, recounting a grueling marathon of writing grant applications to support production of the film. Among their successes was securing a competitive LEF Foundation Moving Image grant.

McCarthy collaborated with the director over the next 18 months of production, shooting scenes and interviews, while working with the rest of the creative team to develop the arc of Lautzenheiser’s unfolding story. Following the completion of filming, the documentary was in post-production for a year, during which McCarthy labored to raise additional grant funds while helping shape the final edit of the film.

The finished film is still playing on the festival circuit, eliciting strong reactions from audiences.

His own directorial effort, Scenes from a Protest, emerged from the Market Basket saga that unfolded in 2014, when the grocery store’s board removed the chairman that was beloved by employees. The employees risked it all by walking off the job and encouraging customers to stay away. McCarthy was gripped by the unfolding story and started capturing footage and interviews from the movement’s earliest days. The saga concluded with the beloved CEO returning to his post after buying out his former board members.

McCarthy’s finished film has screened for select audiences including the Fitchburg State campus and Workers Unite! Film Festival in New York City.

“My focus in class is, to be a filmmaker, you have to make your film connect with an audience,” McCarthy said. He also created an experimental short film, OFFICIAL TEASER #2 REACTION!!/, that explores modern fan culture. “That was one where I had an idea, and a week later I had a movie,” he said, countering the experience to the years of development that have gone into his other works. “It’s just a trifle, but it’s screened all over the place. You never know what’s going to connect with an audience.”
Jonathan Amakawa
COMMUNICATIONS MEDIA

Scholarship
- Co-authored the article “New Philadelphia – Using Augmented Reality to Interpret Slavery and Reconstruction Era Historical Sites together with Swedish researcher, Petter Gothenburg University, Dr. Jonathan Westin for the peer reviewed International Journal of Heritage Studies. The article explores the emerging field of augmented reality apps for cultural heritage sites through Dr. Amakawa’s experience in creating the New Philadelphia Augmented Reality mobile app.

Creative Activity
- Since the Fall of 2016, Dr. Amakawa has been developing an animation/interactive project for the US National Park Service titled Journey to Greatness. Journey to Greatness is a national program run jointly between the NPS and the Boys and Girls Club of America that teaches, and is meant to inspire, young people about the early life challenges faced by American leaders-- Abraham Lincoln, Frederick Douglass, Harriet Tubman and Martin Luther King Jr. The objective of the project has been to update the current program materials by creating engaging 3D animations that reenact scenes from their lives. Over the course of the year, he has created 20 short character-based animations for the four historical figures. These animations will ultimately be integrated into a mobile app that will replace the original website.

Laura Baker
ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship
- “Hybrid History,” Massachusetts Colleges Online Annual Conference on eLearning: Best Practices, Greenfield, MA.

Community Service
- Massachusetts Department of Elementary and Secondary Education History/Social Science Curriculum Frameworks Review Panel.

Mary Ann Barbato
MATHEMATICS

Scholarship
- Co-authored paper titled \( k_{1,2} - \text{subdivision representations with tolerance 1 and 2 to be published in the January 2018 issue of Bulletin of the Institute of Combinatorics and its Applications.}

Soumitra Basu
INDUSTRIAL TECHNOLOGY

Scholarship

Creative Activity
- Commonwealth Research Conference Advising: “An Algorithm for an Automatic Solar Tracking Device” Advisor: Dr. Soumitra Basu. Students: Christopher Battle, Chou Yang, Cole Antalek. Presented at the Twenty-Third Annual Massachusetts Statewide Undergraduate Research Conference, April 28, 2017. The purpose of this study is to develop an algorithm that guides a solar tracking device and moves it on rails.

Nermin Bayazit
MATHEMATICS

Scholarship
- Co-authored paper titled \( k_{1,2} - \text{subdivision representations with tolerance 1 and 2 to be published in the January 2018 issue of Bulletin of the Institute of Combinatorics and its Applications.}

Community Service
- Transportation Planning Project through the Crocker Center: “Needs Assessment and the Use of Quality Function Deployment in Transportation.” An ongoing project in Leominster initiated through the Crocker Center with the Montachusett Regional Planning Commission (MRPC), which is the regional planning agency for 22 cities and towns that comprise the Montachusett Region.

DeMisty Bellinger-Delfeld
ENGLISH STUDIES

Scholarship
- South Atlantic Modern Language Association (SAMLA) "High Art/ Low Art: Boarders and Boundaries in Popular Culture," SAMLA Poets Reading and Panel.
- Marion and Jasper Whiting Foundation grant for research in France.

Creative Activity

Patricia Arend
BEHAVIORAL SCIENCES

Scholarship

Dennis Awasabah
BIOLOGY / CHEMISTRY

Scholarship

Laura Baker
ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship
- “Hybrid History,” Massachusetts Colleges Online Annual Conference on eLearning: Best Practices, Greenfield, MA.

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Creative Activity

Community Service

Deborah Benes  
NURSING  
Scholarship  
- North Central Massachusetts Food Assessment Survey-Development and distribution of large-scale community food assessment in collaboration with community partners. 2017  
- Gordon, E., Welch D., Huang, J., Wigmore, D., Scapparone, R., Lorenco, V., Downing, E., & Benes, D. Fitchburg State University-Student-Faculty Collaborative Summer Research Experience. Funded by the Lloyd G. Balfour Foundation. 2017  
- Benes, D., Photovoice as an experiential learning process in Community Health Nursing. Funded by the Douglas and Isabelle Crocker Center for Civic Engagement. 2016  
POSTERS  
REFEREED PRESENTATIONS – PAPERS  
Creative Activity  
- Embedded librarians: Collaborating for student success (2016, August 30). Graduate and Continuing Education Faculty Meeting and Professional Development Workshops, Fitchburg State University. 2016  
- Development team – Crocker Center Community Research Group for Applied Scholarship. 2017

Catherine Buell  
MATHEMATICS  
Scholarship  
PUBLICATIONS  
PRESENTATIONS  
- Intertwining Social Justice in the STEM classroom (workshop), PKAL Fitchburg State University, June 2017.  
GRANTS / AWARDS  
- Collaborate@ICERM, August 2017  
- Associate Editor for Special Edition of PRIMUS: Intertwining Mathematics and Social Justice Co-Editor Summer 2016 - present.

Katharine Covino-Poutasse  
ENGLISH STUDIES  
Scholarship  
PUBLICATIONS  
CONFERENCE PRESENTATIONS  
- When Students Disagree, Everybody Learns and Grows: Critical Literacy Pedagogy as a Tool of Constructive Conflict – Massachusetts Association for College and University Reading Educators Research Roundtable – MRA Conference – April 7, 2017  
- But That’s Not What I Think… How Critical Literacy Empowers Students to Challenge Texts in Elementary Literacy-Learning Classrooms – Literacy Essentials Conference – Central Connecticut State – April 1, 2017  
- All the Aggression was Schooled Out of Her?: How Teachers Influence Children’s Understanding and Performance of Gender in School – Lead(|)ship Conference: Women in the Workplace – Fitchburg State University – March 31, 2017  
- Making the Most of Faculty Mentoring – Teaching at Teaching Intensive Institutions (TTII) Conference – October, 2016  
Creative Activity  
- Untitled Poem included in Texas Association for Literacy Education Newsletter – Summer, 2017  
Community Service  
- Peer reviewer for manuscripts submitted to the MRA Primer Journal, 2016  
- Faculty advisor for Feminist Conversations, a student-led club at Fitchburg State University

Christopher Cratsley  
BIOLOGY / CHEMISTRY  
Scholarship  
GRANT PROJECTS  
- Served as Project Co-Director and Co-author, Learning Assessment Research Consortium (LARC) Learning Assessment Curriculum: Co-managed Davis Foundation funded, 7 institution team Fitchburg State University, Framingham State University, Manchester Community College, MGH Institutes of Health, Saint Michael’s College, Simmons College, Suffolk University that developed, tested and implemented on the NILDA website a 6-module online Learning Assessment Curriculum.  
- Received FSU Faculty Research Special Projects Grant for quantifying functional biodiversity in firefly multimodal warning signals and chemical defense traits. This work involves objectively quantifying firefly conspecifics recently developed methods for assessing animal camouflage and contrast, testing induced bioluminescence in response to simulated predation threat, and conducting bioassays of firefly palatability to arachnid predators.  
PUBLICATIONS  
PRESENTATIONS  
- Intro to Assessment: Goals and Objectives. Plenary Presentation at the NEAAN Summer Institute 2017 with Linda Bruenjes and Jennifer Herman.  
- Demystifying Assessment. Traditional Summer Institute breakout session at the NEAAN Summer Institute 2017 with Linda Bruenjes and Jennifer Herman.  
- Assessment Modules: Previewing a New Online Professional Development Resource. Plenary session at the Advancing Massachusetts Culture of Assessment (AMCoA) Annual Conference 2017 with Jennifer Herman and Victoria Wallace.  
Danette Day
BEHAVIORAL SCIENCES (EMERITUS)

PUBLICATIONS


Christine Devine
NURSING

Scholarship


Emma Downs
BIOLOGY / CHEMISTRY

Scholarship

• Dr. Down’s work focuses on several different aspects of silver nanoparticles. Nanoparticles are very very tiny clusters of atoms, and because they are so small they have unique properties. One common use of silver nanoparticles is as catalysts, to speed up various reactions. Using a simple synthesis, Dr. Down and her students make silver nanoparticles with different properties and test them as catalysts for the production of amides, molecules which are common building blocks for polymers and pharmaceuticals. This project provides information on how changing catalyst properties changes the effectiveness, which will help in the design of better catalysts. Another common use of silver nanoparticles is as antimicrobial agents in commercial products such as sports gear or food storage containers. There are concerns about the fate of these particles in the environment and their effects on aquatic life and bacterial resistance. She is working with her students to study what happens when these products are washed and how much silver is leached under different conditions. This has also led to a collaboration with Dr. Erin Rehrig studying the effects of silver nanoparticles on plants.

Nancy Duphily
NURSING

Scholarship


Emma Downs
BIOLOGY / CHEMISTRY

Scholarship

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Nancy Duphily
NURSING

Scholarship


Community Service

• Serves as psychological consultant to the Trauma Assistance Dog program at NEADS an assistance dog program in Princeton, MA. Dr. Crosson developed the program to place specially trained service dogs with veterans with combat related post-traumatic stress disorder (PTSD).
• Mental health consultant to the Standards Development Committee of Assistance Dog’s International, developing international standards for the placement of service dogs with veterans with combat related PTSD.

Danette Day
EDUCATION

Scholarship


Christine Devine
NURSING

Scholarship


Emma Downs
BIOLOGY / CHEMISTRY

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Nancy Duphily
NURSING

Scholarship


Community Service

• Appointed Health Alliance Leominster/Clinton Hospital Trustee, Jan. 2017.
• Appointed Health Alliance Home Health and Hospice Board Trustee, Sept. 2017.
• International Board of Lactation Consultant (IBCLC) - Lactation Consultant 15 hours/week

Emma Downs
BIOLOGY / CHEMISTRY

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Nancy Duphily
NURSING

Scholarship


Creative Activity

• Worked with FSU Department of Nursing Curriculum Committee to redesign and create new courses for the curriculum in the RN to BSN in Nursing online track, 2016-2017.
• Created a Clinical Nursing Instructor manual, January 2017.

SERVICE LEARNING PROJECTS

• Formal Mentor, MSN student from Worcester State University, Jan. 2017.
• Dissertation Committee member, Regis College doctoral nursing student, April, 2017.

Community Service

• Appointed Health Alliance Leominster/Clinton Hospital Trustee, Jan. 2017.
• Appointed Health Alliance Home Health and Hospice Board Trustee, Sept. 2017.
• International Board of Lactation Consultant (IBCLC) - Lactation Consultant 15 hours/week

Adem Eliven
ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship


PRESENTATIONS

• Gave a talk entitled “Gender and Social Policy in Turkey in the Era of Economic Austerity” at Pardee School of Global Studies, Boston University, 2017.

Community Service

Lena Ficco  
**PSYCHOLOGICAL SCIENCE**

**Scholarship**

**PUBLICATIONS**

- “When Success Feels Underserved and Acceptance Isn’t Enough to Feel Like You Belong.” NEFDC The Exchange, Fall 2017

**INVITED TALKS**

- “The Imposter Phenomenon: You’re here today because you are talented, not just lucky or just hard working. Really.” Feminist Conversations: Lead(h)ership Conference, Fitchburg State University, March 2017
- “Implicit Curriculum: Tackling the imposter syndrome in academia.” Center for Teaching and Learning Course Redesign Summer Institute, August 2017
- “Implicit Curriculum: Tackling the imposter syndrome in academia.” Center for Teaching and Learning Teaching Hour, October 2017

**PRESENTATIONS**

- “Implicit Curriculum: Tackling the imposter syndrome in academia.” New England Faculty Development Consortium Spring Conference, June 2017

**Poster**


**Community Service**

- Undergraduate Conference for Research and Creative Process, Presentation Judge, April 2017
- Habitat for Humanity, Mary’s Place
- Knitting Club Founder, Levi Memorial Library, Gardner, MA September 2017 - current

Steven Fiedler  
**BIOLOGY / CHEMISTRY**

**Scholarship**

**PUBLICATIONS**


Elizabeth Gordon  
**EARTH & GEOGRAPHIC SCIENCES**

**Scholarship**

- Project Co-author, along Ben Lieberman of History, Climate Change in Human History: From Prehistory to the Present (Bloomsbury, 2018).
- Project coordinator, Fitchburg State Summer Research Collaborative. Funded by the Lloyd G. Baflour Foundation, faculty from six departments

Meleathed Govindan  
**BIOLOGY / CHEMISTRY**

**Scholarship**

- Serves as Councilor of the American Chemical Society—an elected position representing 660+ members of the Society from Central Massachusetts section. In addition, Dr. Govindan hosted a scientific meeting of the Central MA section of the ACS at Fitchburg State University in March 2017 when three new faculty members from area colleges and universities (including FSU’s Steven Fiedler) presented their research to an audience of nearly 50 chemistry faculty, students and industrial chemists from the region.

- Served as the President of New England Association of Chemistry Teachers (NEACT), an organization of college and high school chemistry teachers, until July 1, 2017. As President, Dr. Govindan oversaw the Association’s activities including planning and coordinating the annual Summer Conferences. The 2017 Summer Conference was held at Fitchburg State University and featured presentations and teacher workshops on materials chemistry. A full program with abstracts and copies of some of the presentations can be found at www.neact.org.

Michael Greenwood  
**BUSINESS ADMINISTRATION**

**Scholarship**

**PUBLICATIONS**

- Member, Editorial Review Board, FedDASHBOARD.com. Economic data trends, analyses and media commentaries on economics and market fundamentals. Fall 2016 - Spring 2017

**PRESENTATIONS**

- “Refining Your Communication and Leadership Skills Using the DISC Behavioral Assessment Tool” NCMCC Community Leadership Institute, Fitchburg, MA. October 26, 2016
- “Leading Transformational Teams” NCMCC Community Leadership Institute, Fitchburg, MA. November 16, 2016
- “Introduction to Social Entrepreneurship Community Projects” NCMCC Community Leadership Institute, Fitchburg, MA January 11, 2017
- “The Responsibility of Leadership” NCMCC Community Leadership Institute, Fitchburg, MA February 16, 2017
- “Ethical Business Leadership” NCMCC Community Leadership Institute, Fitchburg, MA. March 23, 2017
- “Leading with Empathy and Compassion.” NCMCC Community Leadership Institute, Fitchburg, MA April 27, 2017

Randall Grometstein  
**BEHAVIORAL SCIENCE**

**Scholarship**


Randall Grometstein  
**BEHAVIORAL SCIENCE**

**Scholarship**

Michael Hoberman
ENGLISH STUDIES

Scholarship

CONFERENCE PRESENTATIONS

Community Service
- Featured speaker for Henry David Thoreau Bicentennial events, Ashfield, MA (May 2017) and Charlemont, MA (September 2017)

Michael Hove
PSYCHOLOGICAL SCIENCE

Scholarship

Experimental Brain Research.

Behavioral and Brain Sciences.

INVITED TALKS
- Brain and Mind Institute, University of Western Ontario, London, Canada, September 2017
- The project was well received by the Reimagine project and was extended to the Fall 2017 semester. Dr. Huang and her student team will help the city inventorying more properties and using GIS for mapping and spatial analysis purposes. This endeavor was supported by the Crocker Center for Civic Engagement.
- Collaborated with eight professors and fourteen students of Fitchburg State, Dr. Huang and four students (Timothy Mailvaugh, Nicholas De Paula, Jacob Hogue, and Sean Beverly) involved in two interdisciplinary research projects targeted on public health and environmental health in the Fitchburg area in the summer of 2017. GIS was intensively used in both projects. In the public health project, the fitness/recreation resources in Fitchburg (parks, gyms, and trails) were inventoried and mapped online; over a hundred Fitchburg residents were surveyed and educated with the online map, the perceptions of fitness/recreation resources among the participating residents were analyzed, and the results led to certain recommendations regarding the usage of parks.
- In the environmental health project, GIS was used to examine the changes of land use in the Fitchburg area and to simulate the terrain through 2D and 3D models. It was also used to study the potential water infiltration and runoff in the area. A drone imagery of a section of the Nashua River was collected, and a Story Map of the environmental health of the area and particularly of the Nashua River was created. This endeavor was funded by the Lloyd G. Balfour Foundation, Bank of America, N.A., Trustee. Dr. Huang and the four students were invited to present the research projects to the NEURISA (New England Urban & Regional Information Systems Association) Annual Conference at the Great Wolf Lodge in Fitchburg in October 2017.

Jane Huang
EARTH & GEOGRAPHIC SCIENCES

Scholarship
- Dr. Huang and three students (Kayla Kress, Jacob Hogue, Jake Glick) continued to work on the Neighborhood Property Mapping & Analysis Project In Foll 2016 and Spring 2017 semesters. As part of the Reimagine North of Main project since January 2016, Dr. Huang and her students conducted in-depth mapping and spatial analysis of the neighborhood north of Main St, Fitchburg using GIS (Geographic Information System) technology. The purpose of the project was to assist Montachusett Opportunity Council, NewVue City Solutions, and City of Fitchburg in improving the quality of life in the neighborhood.
- One of the many products of the project was the publication of the “Standard Operating Procedure of Property Survey in the Fitchburg Communities" by the Fitchburg State University Press. Copies of the manual are available in the library at the special collection section (TH439.X57 2017) and also at the reserves section at the circulation desk.

WALTER JEFFKO
HUMANITIES

Scholarship
- Writing the fourth edition of his book, Contemporary Ethical Issues: A Personalist Perspective. It will include a new chapter, "Economic Inequality, Distributive Justice, and Democracy," which will be an expansion and update of his last Harrod Lecture by the same title, delivered in October 2015. The rest of the book will have many revisions and updates. The book will be published June 12, 2018.
Katherine Jewell  
**ECONOMICS, HISTORY, & POLITICAL SCIENCE**

**Scholarship**

Lynn Kellner  
**BEHAVIORAL SCIENCES**

**Community Service**
- New England Regional Director – Council on Standards for Human Services Education; also served as Lead Reader on 2 Reaccreditation Visits of Human Services programs

Mary King  
**HUMANITIES (EMERITUS)**

**Community Service**
- Member, Academic Advisory Board, United Planet
- Board of Directors, Hypersonia Foundation

Megan Krell  
**BEHAVIORAL SCIENCES**

**Scholarship**

Benjamin Lieberman  
**ECONOMICS, HISTORY, & POLITICAL SCIENCE**

**Scholarship**
- Co-author along with Elizabeth Gordon of Geophysical Sciences of Climate Change in Human History: From Prehistory to the Present (Bloomsburg, 2018).
- Delivered paper on "The Paradox of Perpetrators: Transferring the Model of Ordinary Men?" at 2017 German Studies Association Conference.

Robert Logan  
**EXERCISE & SPORTS SCIENCE**

**Scholarship**

Viera Lorencová  
**COMMUNICATIONS MEDIA**

**Scholarship**
- As a member of the interdisciplinatory Fitchburg State University Student-Faculty Collaborative Summer Research Experience project, Dr. Lorencova has served as a mentor and co-investigator in the interdisciplinary research project “Health of the Fitchburg Community,” launched in Summer 2017. The project was awarded funding from the Lloyd G. Balfour Foundation, Bank of America & N.A. Trustee (for Summer 2017, 2018 and 2019). Served as a co-investigator on the study “Health of the Fitchburg Community” that aimed to understand relationships between perceptions of health and physical activity, including access to fitness/recreation resources, physical activity behaviors, indicators of health, and the impact on the economic health of businesses in Fitchburg and neighboring communities. Co-mentored a team of Fitchburg State undergraduate student-researchers from Communications Media, Business Administration, Exercise Science and Nursing, who worked on investigating the availability of fitness and recreation facilities in Fitchburg and the factors that lead fitness-related businesses to be successful in the Fitchburg area.

**Lynn Kellner**  
**BEHAVIORAL SCIENCES**

**Community Service**
- New England Regional Director – Council on Standards for Human Services Education; also served as Lead Reader on 2 Reaccreditation Visits of Human Services programs

**Mary King**  
**HUMANITIES (EMERITUS)**

**Community Service**
- Member, Academic Advisory Board, United Planet
- Board of Directors, Hypersonia Foundation

**Megan Krell**  
**BEHAVIORAL SCIENCES**

**Scholarship**

**Benjamin Levy**  
**MATHEMATICS**

**Scholarship**

**PRESENTATIONS**

**Robert Logan**

**Benjamin Lieberman**

**COMMUNICATIONS MEDIA**

**Scholarship**

**Viera Lorencová**

**COMMUNICATIONS MEDIA**

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Nirajan Mani

INDUSTRIAL TECHNOLOGY

Scholarship

JOURNAL PUBLICATIONS


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.

Moderated the conference session for “Associated Schools of Construction Conference 2017.”

Volunteered in Newah Organization of America – New England Chapter, Boston, Massachusetts

Creative Activity

STUPMED – Documentary Feature film, Producer/ Videographer. A collaboration with producer/director, Robin Berghaus. STUPMED follows the journey of William Lauterborn for over four years, as he recovers from a quadrilateral amputation and eventually receives a double-arm transplantation. The film premiered at the Cleveland International Film Festival in March 2017, winning an award for Best Film in the Global Health Competition. The film has also screened at the following film festivals through September 2017:

- Independent Film Festival Boston, Boston, MA (opening night film)
- Inside Out Festival, Toronto, Ontario, Canada
- Frameline 43 Festival, San Francisco, CA
- Flickers Rhode Island International Film Festival, Providence, RI (winner, Best Feature Documentary, Jury Award)
- Newburyport Documentary Film Festival, Newburyport, MA
- Austin Film Society Science On Screen, Austin, TX
- Milwaukee Film Festival, Milwaukee, WI (opening night film)

OFFICIAL TEASER #2 REACTION!!! – Experimental Short film, Producer/Director. A commentary on internet superfans and shared geek culture, this found footage mashup film premiered at the Festival of (in)appropriation at the Egyptian Theater in Los Angeles in February 2017. The film has also screened at the following venues through September 2017:

- Metro Cinema Society, Edmonton, Alberta, Canada
- Northwest Film Forum, Seattle, WA
- Flatback Film Festival, Birmingham, England
- Close-Up Film Centre, London, England
- Los Angeles Filmforum, West Hollywood, CA
- University Film & Video Association Conference. Springfield, MA
- Milwaukee Film Festival, Milwaukee, WI (opening night film)

OFFICIAL TEASER #3 REACT!!! – Experimental Short film, Producer/Director. A commentary on internet superfans and shared geek culture, this found footage mashup film premiered at the Festival of (in)appropriation at the Egyptian Theater in Los Angeles in February 2017. The film has also screened at the following venues through September 2017:

- Metro Cinema Society, Edmonton, Alberta, Canada
- Northwest Film Forum, Seattle, WA
- Flatback Film Festival, Birmingham, England
- Close-Up Film Centre, London, England
- Los Angeles Filmforum, West Hollywood, CA
- University Film & Video Association Conference, Los Angeles, CA
- Spectacle Theater, Brooklyn, NY

SCENES FROM A PROTEST – Documentary Short film, Producer/Director. Premiered as part of the Community Read series at Fitchburg State University in February 2017. The film documented the 2014 Market Basket boycott from the vantage point of the workers and customers. The event – “Boycott Retrospective” – also featured a panel of associates from Market Basket to discuss their experiences in the labor imbroglio.
Scholarship

CHAPTER


ENTRY


Service Learning Projects


ARTICLE


Kyle Moody
COMMUNICATIONS MEDIA

Scholarship

PUBLICATIONS

- Book Chapter “Ico and Shadow of the Colossus: The Importance of Companion Characters in Lonely Landscapes.” Inclusion in edited volume The 100 Greatest Video Game Franchises, published by Rowman and Littlefield.

CONFERENCE PRESENTATIONS

- Popular Culture Association/American Culture Association, San Diego, CA.
- “Reframing Roddenberry - Star Trek, Fan Animation, and Online Communities of Users and Creators”
- “The Book as an Element of Transmedia: How Extra Lives Emphasizes the Convergent Role of the Book Within a Transmediated Cycle”

SERVICE LEARNING PROJECTS

- Worked with Community Health Connections and Fitchburg Access Television (FATV) in Fitchburg, MA to develop promotional print materials, web promotional content, and social media campaigns through Document Design and Topics: Social Media Campaigns courses.

Community Service

- Multiple library talks on fake news and social media through state of Massachusetts, including public libraries in Athol, Leominster, Concord, Hudson, Chicopee, Winchendon, Millbury, and Wayland.

Les Nelken
COMMUNICATIONS MEDIA

Creative Activity

- Design Director on The Station - a science fiction narrative mystery and exploration video game that explores the events behind the sudden loss of contact with a research station orbiting a newly discovered planet. The game investigates themes of surveillance, moral law and social critique, and is being developed by an international team with members located in Vancouver B.C., Melbourne Australia, New England and North Carolina. Several Fitchburg State University Game Design students have served as interns on the project and continue to work on the game post graduation. Due to be released on February 20th 2018, the digital distribution will be on Windows, Mac, Linux, Microsoft Xbox One and Sony PlayStation. Website for the project: TheStationGame.com

Community Service

- Board member, Boston Post Mortem, Boston Chapter of the International Game Developers Association (I.G.D.A.).
- Moderated a panel of game developers at the March 2016 Boston Post Mortem meeting, “Getting the Most Out of the Game Developers Conference.”
- Collaborated with Michael Sweet, Artistic Director of Video Game Scoring at Berklee College of Music, for three semesters to facilitate game design project interaction between Berklee students and FSU Game Design majors. Berklee students provide game audio for FSU student projects allowing both groups to give practical consideration to the role of music in games.
- Guest lecture on Level Design / Worldbuilding: Planning for Creativity, and jury member for final projects, Summer 2017, Emagination Game Design Camp, Boston, MA.

James Noonan
BUSINESS ADMINISTRATION

Community Service

PUBLICATIONS

- Publishing a text entitled “When Your Name is on the Building.” Preparation for the Entrepreneurial Venture.
- Economic Outlook Newsletter for area businesses published by the North Central Economic Development and Small Business Center.
- Study sought to define future impact on regional manufacturers.

Ozge Ozay
ECONOMICS, HISTORY, & POLITICAL SCIENCE

Scholarship

RESEARCH IN PROGRESS


PRESENTATIONS

- “Women’s Time Poverty in Turkey” presented in IAFFE Annual Conference, 29 June - 1 July 2017, Seoul, South Korea.

OTHER PROFESSIONAL ACTIVITIES

- Reviewer for Structural Change and Economic Dynamics.

Alan Pearlmutter
HUMANITIES

Creative Activity

- Conductor of the Kammerwerke Double Wind Quintet, Bedford, MA. Since 2011, Kammerwerke has been rehearsing and performing rare classical music for ten winds representing music from the 18th century to contemporary times. Alan is also a composer and his Divertimento No. 1 was performed on the December 2017 Kammerwerke concert. www.kammerwerke.org
- Since 2011, Dr.Pearlmutter has been performing in retirement communities as pianist and singer with his wife, clarinetist Linda Poland, a long-time member of the New Bedford (MA) Symphony Orchestra. The duo performs their own musically arranged and narrated decade song programs, movie music, international folk music, and light classical music. As of 2018 they have performed 350 concerts together. www.nostalgiaonfeets.com

Audrey Pereira
BUSINESS ADMINISTRATION

Scholarship

PUBLICATIONS


Research study for local retail lumber and hardware chains customer perception and buyer behavior.

- “A two year study on the Breast,” outcome and effect on Central Massachusetts and Metro West. Impact of British withdrawal from the European Union. Study sought to define future impact on regional manufacturers.
Benjamin Raitlon

**ENGLISH STUDIES**

**Scholarship**

- Presentations:

**Daniel Sarefield**

**ECONOMICS, HISTORY, & POLITICAL SCIENCE**

**Scholarship**

- Presentations:
  - "The Right to Write: College Communication and the National Endowment for Humanities (NEH), New England Museum Association (NEMA), Fitchburg Art Museum (FAM), and American Society for Aesthetics (ASA), 2017.

**Christopher Picone**

**BIOLOGY / CHEMISTRY**

**Scholarship**

- Oral presentation at the Massachusetts PKAL Network Summer Meeting, Fitchburg State University, June 7, 2017.
- Received the 2017 Nashua River Watershed Association Environmental Education Award. For “a vision of a sustainable future and creativity in using experiential education to introduce... students to the open spaces and waterways of the Nashua River watershed.”

**Community Service**

- Ashburnham Conservation Commission (member).
- In addition to enforcing the MA Wetland Protection Act, this year he submitted a MassWildlife Habitat Management Grant Proposal ($18,828) to restore a local grassland.

**Benjamin Raitlon**

**ENGLISH STUDIES**

**Scholarship**

- Presentations:

**Display Name**

**ECONOMICS, HISTORY, & POLITICAL SCIENCE**

**Scholarship**

- Presentations:
  - "The Right to Write: College Communication and the National Endowment for Humanities (NEH), New England Museum Association (NEMA), Fitchburg Art Museum (FAM), and American Society for Aesthetics (ASA), 2017.

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Joshua Spero</td>
<td>Economics, History, &amp; Political Science</td>
<td>• Submitted book manuscript for publication on: Middle Powers Matter Regionally: Critical Foreign Policy Junctures for Poland, South Korea, Bolivia.</td>
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<td><strong>SERVICE LEARNING PROJECTS</strong></td>
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<td>• Organized, coordinated, and led students from “Europe Today” Political Science/History Course on a week-long study abroad trip to Kraków, Poland</td>
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<td><strong>Community Service</strong></td>
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|                      |                                  | • Co-chair for the Community Health Network Area of Healthy and Safe Relationships group which meets monthly in Fitchburg. Some accomplishments from the past year:  
  o research evidence based programs preventing violence across the lifespan for inclusion in a curriculum  
  o identified two pieces of legislation to be introduced and/or supported through advocacy: entering the DNA results of all sexual assault kits into CODIS (currently kits are stored but no testing is done until and unless the case goes to trial) and; eliminating language that prevents gun ownership for perpetrators of domestic violence crimes only if the victim is a spouse, household member, or has a child with the perpetrator. This new legislation supports restricting gun ownership for anyone who has perpetrated domestic violence regardless of relationship to the victim. |
|                      |                                  | **CONFERENCE PRESENTATIONS**                                                 |
|                      |                                  | • "Introduction to Code/Art and Open Data Visualization" Summer Workshop for DH@Guelph, University of Guelph, Ontario, Canada, May, 2017. |
|                      |                                  | **Community Service**                                                        |
|                      |                                  | • Reviewer for International Communication Association conference.             |
|                      |                                  | • Reviewer for The Journal of Interdisciplinary Studies in Education.         |
|                      |                                  | • Mentor for advanced debate students at Cary Academy, Cary, NC in preparation for Ethics Conference on the topic of “Privacy, Security, and Convenience: The Ethics of Data Collection in the Age of Terrorism and Google.” |
| Elisabet Takehana     | English Studies                   | **CONFERENCE PRESENTATIONS**                                                 |
|                      |                                  | • "The Digital and the Baroque: Confronting Hyper-Representation." ELO (Electronic Literature Organization), Porto, Portugal, July 2017 |
| J.J. Sylvia IV        | Communications Media             | **CONFERENCE PRESENTATIONS**                                                 |

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<tr>
<td>Deborah Stone</td>
<td>Nursing</td>
<td>• Presentation at the International Conference on Forensic Nursing and Practice in Toronto, Ontario, Canada October 12, 2017. Intimate partner Violence Among the Late Adolescent and Early Adult Populations: A Secondary Data Analysis.</td>
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<td>• &quot;Beyond” (revised chapter) in eds. Sharon Wolchik &amp; Jane Curry, Central and East European Politics, 4th Edition (Rowman &amp; Littlefield).</td>
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<tr>
<td>Teresa Fava Thomas</td>
<td>Economics, History, &amp; Political Science</td>
<td><strong>BOOK CHAPTER</strong></td>
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<td>• &quot;German Immigration to Fitchburg, Massachusetts,&quot; in Kleve am Niederrein and Fitchburg in Massachusetts – Partnerstädtke, (Book commemorating the 25th anniversary of the Sister City Partnership between Kleve, Germany and Fitchburg, Massachusetts), author/editors Kurt Kreiten and Kurt Michels, (Kleve, Germany: Edition Wasserburg, 2017).</td>
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<td><strong>BOOK REVIEW</strong></td>
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<td><strong>PUBLIC LECTURES</strong></td>
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<td>• Invited public lecture, The Relevant Migrants: Migration from the Italian Veneto to Central Massachusetts, Jacob Edwards Public Library, Southbridge, Massachusetts, October 26, 2017. Also available as: <a href="https://www.youtube.com/watch?v=as5ip7U0d0kg&amp;amp;feature=sem_subs_digest">https://www.youtube.com/watch?v=as5ip7U0d0kg&amp;amp;feature=sem_subs_digest</a>.</td>
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<td>Samuel Tobin</td>
<td>Communications Media</td>
<td><strong>CONFERENCE PRESENTATIONS</strong></td>
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<td>• &quot;Only Eternal War: Oldhammer” paper presentation at the Extending Play Conference, Rutgers University October 10,2016.</td>
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<td>• &quot;The Bodies of the War-gamer or What’s It Like to be a Space Marine” paper presentation at the 38th annual Southest Popular American Culture Association meetings, Albuquerque, New Mexico, 2/16/16.</td>
</tr>
</tbody>
</table>
Kisha Tracy
ENGLISH STUDIES

Scholarship
BOOK
Memory and Confession in Middle English Literature. New Middle Ages. Palgrave, 2017.

COLLECTION EDITED

ARTICLES


“Why Is This Important?” The Open Faculty Patchbook. Peterborough, Ontario: Fleming College, 2017. 73-80.


CONFERENCES
Co-Presenter, “Self-Violence, Mental Illness, and Mary of Oegnes”; 38th Annual Medieval and Renaissance Forum, “Culture and Violence”, Keene State College; April 2017

“Teacher-Photographer: Transforming Perceptions of Cultural Heritage with Image”, Global | Local: Experiments in the Arts and Humanities; Bard College; March 2017

“Students Are People Too”, 46th Annual Conference of the international Society for Exploring Teaching and Learning; Salt Lake City, UT; October 2016

“Four of a Kind: Active, Creative, Reflective, and Relative”; 46th Annual Conference of the International Society for Exploring Teaching and Learning; Salt Lake City, UT; October 2016

COLLOQUIA
Co-Panelist/Facilitator, “Engaging with Online Pedagogy,” Development Day; September 2017

“Presenter, “More Than Required Reading: Revising Your Syllabus and Learning Outcomes,” Development Day; January 2017

Invited Presenter, “Student Engagement,” Teaching at Teaching-Intensive Institutions, Cross-Sector Partnership; UMass Boston, October 2016

SERVICE LEARNING PROJECTS
Cultural Heritage through Image: http://culturalheritageathroughimage.omeka.net/

Community Service
Assistant, Self-Defense Seminar for Women, Concord Self-Defense Academy
Martial Arts Instructor, Walden Street School, Concord, MA; February 2017 - Present

Guest Co-Speaker, “Creation Myths: Native Americans and Around the World”, Dahlgren Elementary School, IL; December 2016

Susan Wadsworth
HUMANITIES

Scholarship

Creative Activity
GROUP AND INVITATIONAL EXHIBITIONS
• Members Winter Show, SVC, Manchester, VT Nov. 2017-Jan. 2018
Summer Members Show, SVC, Manchester, VT, 2017.
“Being Well” at the Healing Arts Gallery, Monadnock Community Hospital, a WIG/MA exhibition, June-August, 2017
Winter Member Show, Southern Vermont Art Center, Manchester VT 2016-2017.

Amy Wehe
MATHEMATICS

Scholarship
Contributing editor: IILS Image, publication of the International Linear Algebra Society (ILAS).

PRESENTATIONS
• “Journey to Active Learning,” Fall 2016 Conference of the Northeastern Section of the Mathematical Association of America, Trinity College, Hartford, CT, November 18-19, 2016.
• “Practical Tips for Creating an Active Learning Culture.” CTL Celebration of Teaching Poster Session, Fitchburg State University, March 23, 2017.

Richard Wiebe
BEHAVIORAL SCIENCE

Scholarship
Three publications in peer-reviewed journals

Community Service
Community member of the School Council at Northwest Community College, Leominster, MA.
Represented Fitchburg State University in the Mass Transfer Pathways/Math Transfer Pathways Project, including aligning mathematics core syllabi with other state universities, community colleges and universities and discussing multiple pathways for both college level and developmental mathematics.

Daniel Welsh
BIOLOGY / CHEMISTRY

Scholarship
First author publication appeared in the August 2017 volume of the Journal of Zoology. The manuscript, entitled “Condition-dependent reproductive tactics in male smallmouth bass: evidence of an inconsistent birthdate effect on early growth and age at first reproduction”, found evidence that reproductive decisions in the smallmouth bass (a freshwater fish species) is effected by the environment (in the form of seasonal variability in timing of hatching and early growth).

Along with colleagues from several disciplines on campus, completed the first year of a three-year grant from the Lloyd G. Balfour Foundation to focus on the health of the Nashua River and the role of the river in the life of surrounding community. Dr. Welsh’s role in the project focused (and will continue to focus) on the biological condition of the river by exploring the health and diversity of the fish community. Working with several students this past summer, new insights into the patterns of species distributions along the Nashua River were documented.

PEER-REVIEWED CONFERENCE PRESENTATION

Danielle Wigmore
EXERCISE AND SPORTS SCIENCE

Scholarship
• Designed and implemented a research study examining physical activity habits in college students. An abstract for this work was submitted to the annual meeting of the New England Chapter of the American College of Sports Medicine.
• Worked with a diverse group of faculty and students on a student-faculty collaborative research project examining the relationships between individuals’ awareness of parks and recreation facilities, physical activity behaviors, and health indicators. This project was supported by a multi-year grant from the Lloyd G. Balfour Foundation. Abstracts for this work were submitted to the annual meeting of the New England Chapter of the American College of Sports Medicine and the Active Living Research Conference.

J. (in press). Transactions between substance use intervention, the oxytocin receptor gene (OXTR), and peer substance use predicting youth alcohol use. Prevention Science.
For this back section of the book, use paragraph style with:
- **faculty name**
- **FACULTY DEPARTMENT**

Use a soft-return to make the underline and spacing look like above.

*Gray headings in text are:*
- text heading

**Scholarship**
- Creative Activity
- Community Service
- Service Learning Project

*All other heading categories are:*
- **TEXT SUB HEADING**
  - PUBLICATIONS
  - PRESENTATIONS
  - PAPERS
  - POSTERS
  - TALKS
  - GRANTS, ETC....

*Then the body text uses:*
- • **text with bullets** - 1st level
- o **text with bullets** - 2nd level