Framingham
State University
1839

A Day in May

A CELEBRATION OF TEACHING, SCHOLARSHIP, AND CREATIVITY

KEYNOTE PRESENTATION:

"How to be a Productive Scholar
While Maintaining Classroom
Excellence"
Presentations by Shin Freedman,
Ira Silver, and Wardell Powell

EVENT SPONSORED BY:

CELTSS *Center for Excellence in Learning, Teaching, Scholarship, and Service*

A Day in May

A Celebration of Teaching, Scholarship, and Creativity

May 19, 2020

Contents

SCHEDULE

9:20 am	Welcoming Remarks and Introduction to A Day in May
	Dr. Ellen Zimmerman, Interim Provost and Vice President for Academic Affairs
	Dr. Lina Rincón, Director of CELTSS
	May Hara, Assistant Director of CELTSS

All Day	**Faculty Posters**

Panel Session I – STEM Innovations in the Classroom and Beyond
9:30-10:30 am
Click to view recording

Facilitator: Jim McQuaid
- Lawrence McKenna, Physics & Earth Sciences
  Jupyter Computational Notebooks in the Classroom
- Steven Cok and Shelli Waetzig, Chemistry and Food Science
  Aiming for Success: Helping students secure summer internships, REU's, and jobs in the workforce
- David Merwin, Geography, Lawrence McKenna, Physics & Earth Sciences, Stephen Dinkelacker, Biology
  Identifying Wildlife Using Unmanned Aerial Vehicles (UAVs) and Machine-Learning Techniques

Panel Session II – Film, Sociopolitical Context, and the Digital World
10:45-11:45 am
Click to view recording

Facilitator: Leslie Starobin
- Joanne Britland, World Languages
  Cultural Responses to the 2008 Social and Financial Crisis in Spain
- Claudia Springer, English
  Unmasking Fascism and Promoting Anti-fascism with Films
- Brian Bishop, Art and Music
  How the Image Echoes

11:45 am	**Your Kitchen**	**Make a lunch and come back for the Faculty Panel**

Faculty Led Discussion – How to be a Productive Scholar While Maintaining Classroom Excellence
12:00-1:30 pm

Click to view recording	Join us for a collaborative panel of faculty from three different disciplines talking about their identity as teacher-scholars, sharing lessons learned from their various research projects, and offering tips for balancing scholarship with the other aspects of professional life. Discussion led by Shin Freedman, Wardell Powell, and Ira Silver.

Panel Session III – Pedagogical and Mentoring Approaches
1:45-2:45 pm
Click to view recording

Facilitator: Hedda Monaghan
- Colleen Coyne, English
    - Interdisciplinary Strategies for Cultivating Community in Service Learning–Based Professional and Technical Communication Courses: A CPTSC Presentation
- Shin Freedman, Library
    - Effective Mentorship: The pilot study of the antecedents and consequences of mentoring relationships for academic librarians in the higher education
- Ben Atchison, Mathematics
    - Joint Mathematics Meetings

Panel Session IV – Critical Analyses of Art and Literature
3:00-4:00 pm
Click to view recording

Facilitator: Joanne Britland
- Rachel Trousdale, English
    - The Joking Voice: Humor and Empathy in Modern and Contemporary American Poetry
- Derrick TePaske, Communication Arts
    - There is no word for ART in Bali
- Lisa Eck, English
    - "The Politics of Hospitality, Class Identity and Indigeneity in Kalimpong, West Bengal" conference presentation as part of a panel on: Study Abroad in India: Acilitating American Students' Critical Reflections on Positionality and 'Location'

Thank you to the 2019-2020 CELTSS Steering Committee:

George Bentley, Geography

Maria Bollettino, History

Joanne Britland, World Languages

Kate Caffrey, Communication Arts

Joe Coelho, Political Science

Steven Cok, Chemistry and Food Science

Colleen Coyne, English

May Hara, Education (Interim Assistant Director, Spring 2020)

Jon Huibregtse, History (Director, Fall 2019)

Phoebe Lin, Psychology and Philosophy

Rongbing Liu, Accounting, Economics, and Finance

Jim McQuaid, Sociology

Hedda Monaghan, Library

Matthew Moynihan, Mathematics

Virginia Noon, Fashion Design and Retailing

John Palabiyik, Management and Business and Information Technology

Satish Penmatsa, Computer Science

Cara Pina, Biology

Sandra Rahman, Marketing

Ellen Rearick, Nursing

Lina Rincón, Sociology (Assistant Director, Fall 2019, Interim Director, Spring 2020)

Robin Robinson, Education Technology Office

Ira Silver, Sociology (Director of Mentoring)

Folashade Solomon, Education

Brian Souza, Food and Nutrition

Leslie Starobin, Communication Arts

Poster Presentations

Karen Druffel	Artful Dodging: Corporate Social Responsibility in Apparel Supply Chains
Mirari Elcoro	On the Use of Guided Notes in Undergraduate Instruction
Zhenguang Gao	ProgRAMmers contest at CCSC
Michael Greenstein	It's Fake News: Differential Impact of Misinformation Retractions
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Catherine Wickham	Food for Thought! FSU Cooks: Culinary nutrition workshops help participations learn about food, cook, and eat!

Joint Mathematics Meetings
Benjamin Atchison
Presentation

Beginning in 2016, I have proposed, organized, and moderated a session of talks related to Open Educational Resources at the JMM each January. This year's session, titled Developments, Directions, and Experiences in Open Educational Resources, included 15 talks involving the use of technology in the creation of new and different OER, as well a few presentations on recent efforts in the conversion of mathematical text to Braille. This presentation will showcase the highlights from organizing the session over the past 5 years.

How the Image Echoes
Brian Bishop
Presentation

I participated in an exhibition at PS^2 and symposium at The Metropolitan Arts Centre (MAC) in Belfast, Northern Ireland entitled "How the Image Echoes. This project examined the ways in which artistic practice might be considered within our wider image culture today. The digital world of the camera, the screen, social media and the internet have, in less than two decades, created immeasurable numbers of images across new platforms. This project addressed what constitutes 'an image' when making art today, and how it differs from other forms of visual culture.

Cultural Responses to the 2008 Social and Financial Crisis in Spain
Joanne Britland
Presentation

The international 2008 financial crisis impacted the Spanish population more than any other event in the twenty-first century until the current corona pandemic With soaring rates of unemployment, shocking numbers of evictions, and an overall disillusionment with the nation's financial and political institutions, it sparked one of the most significant challenges Spain has faced in recent times.

To illustrate this phenomenon, this paper analyzes Alberto San Juan and El Teatro del Barrio's play, Masacre: Una historia del capitalismo español (2017), to demonstrate how cultural works serve to depict "crimes" of the crisis—the human suffering and consequences. They also provide platforms to educate the public and rouse indignation to foster change and renewal.

Following the thematic framework of el teatro documento, the play employs historical anecdotes and facts to underscore Spain's legacy of corruption and subsequent need for revolution. It argues that the capitalist system and the elite rely on great tragedies—including the Spanish Civil War, the Franco dictatorship, and the 2008 crisis—to maintain the status quo. The analysis of this work will explore how the textual and performative features of the play educate and inform the public to provoke shock and emotion, stimulating reflection, conversation, and ultimately, protest.

Aiming for Success: Helping students secure summer internships, REU's, and jobs in the workforce
Steven Cok and Shelli Waetzig
Presentation

While many of us work hard to help student's success while at FSU, the success of our students after graduation should be just as important. Helping students attain their goals is a milestone in their lives, but it can be a difficult task without the right resources, connections, and knowledge. The focus of this workshop is to provide ideas and ways to improve advising and mentoring for students to prepare them for their careers in chemistry and biochemistry.

Interdisciplinary Strategies for Cultivating Community in Service Learning–Based Professional and Technical Communication Courses: A CPTSC Presentation
Colleen Coyne
Presentation

In my presentation at the 2019 CTPSC conference, I advocated for an interdisciplinary pedagogical approach that incorporates creative writing strategies—particularly the narrative practice of storytelling—to improve outcomes by creating a strong sense of community among instructors, students, and service-learning partners in professional and technical communication (PTC) courses.

Artful Dodging: Corporate Social Responsibility in Apparel Supply Chains
Karen Druffel
Poster

Many major apparel brands outsource production, using suppliers in the global South to reduce costs. These small factories are often poorly regulated and associated with unsafe and oppressive working conditions. A system of consortia, codes of conduct, auditors and corporate social responsibility (CSR) purport to protect the modern garment worker, but more effectively shield global buyers from legal liability. The model of the business leader as protector is not new. This paper uses Victorian paternalism as a lens to evaluate modern-day CSR and its likely effect on worker safety in global supply chains.

"The Politics of Hospitality, Class Identity and Indigeneity in Kalimpong, West Bengal" conference presentation as part of a panel on: Study Abroad in India: Acilitating American Students' Critical Reflections on Positionality and 'Location'
Lisa Eck
Presentation

Framingham State University's three-week January-term in India functions both as the travel component of a course on Indian contemporary literature and a stand-alone service-learning opportunity. The relationship between my predominantly working class students and the Himalayan villagers who host them is complex, and in surprising ways synergistic. Because my students tend not to come from families for whom travel is a coveted form of cultural capital, their intentions are tested from the start: "India? Why there?" "When you get back, you are going to be so grateful you live in America." The transparent nature of these xenophobic, parochial warnings inspires frank conversations about the inherent voyeurism of voluntourism. FSU's J-term travelers who have been asked "Why there?" depart Boston's Logan Field knowing that the goal is not simply to learn about, but to learn from, the residents of Kalimpong. The aim

of the program is to engage in meaningful service: teaching English-language learning games to the young monks at Sakya Monastery, recording the oral histories of Tibetan elders who fled Chinese occupation, and by participating in climate-change education and environmental clean-up with the village's teenage activists, the Future Keepers of Kalimpong. But the success and failure of the relationship comes down to our ability to invert the power-dynamic. Our first world positionality is a resource when we join forces with the youth to shame local adults who are dumping plastics into the water source, but it's a liability when students befriend the residents of Kalimpong on Facebook, which invites comparison, and extends the reach of globalization. By becoming students of the indigenous knowledge of the Lepcha villagers, who host us for homestays, and by reflecting on the radical hospitality we receive, students recalibrate their understanding of their own service.

On the Use of Guided Notes in Undergraduate Instruction
Mirari Elcoro
Poster

This presentation focuses on reflections based on the use of guided notes in undergraduate instruction. This is a continuing project and some updates and extended analyses are presented. An introduction to guided notes is followed by results from assessments of the effects of guided notes on learning and level of satisfaction of students. Guided notes were administered consistently throughout the course as hard copies, during a portion of the course as hard copies, and introduced in class as hard copy once and then posted online for voluntary completion. Students tended to rate guided notes positively, and in some cases negatively. The use of guided notes also significantly increased quiz grades. Based on the compiled results and a literature review, advantages and disadvantages of using guided notes are outlined. Some lessons learned and best practices for implementation and assessment of the use of guided notes in undergraduate instruction are described.

Effective Mentorship: The pilot study of the antecedents and consequences of mentoring relationships for academic librariansin the higher education
Shin Freedman
Presentation

This research project aims to explore an inquiry into the mentorship experience among academic librarians in the New England area. Yoder's concept analysis will be used as a theoretical framework. The project seeks to identify what are the antecedents and the consequences framework of mentorship to further understand the fundamental structural elements of an effective mentoring experience

ProgRAMmers contest at CCSC
Zhenguang Gao
Poster

The 35th Annual CCSC Eastern Conference was held at Robert Morris University (RMU) in Moon Township, PA in the Pittsburgh metropolitan area. Zhenguang Gao (faculty advisor), Tyler Clachar(student), Dhruvit Patel (student), and Kiernan Roche (student) formed a team and participated the programming contest. This conference/competition was an amazing journey for both students and the advisor.

It's Fake News: Differential Impact of Misinformation Retractions
Michael Greenstein
Poster

The calls of Fake News represent a very public form of retraction of potential misinformation. Traditionally, retractions of misinformation are done in secret with newspapers publishing them well "below the fold" and professional journals attaching them as addendums to the end of a printing or bottom of the original article. Because of this, people must create a mental model of the world that incorporates the false information into that model. Then, upon seeing the later retraction, they must alter their model to incorporate the newly presented retracting information. Research examining the impact of this has found that while people are generally able to recall that the information was retracted, that information nevertheless continues to influence their interpretations of the world. This project examines this continued influence effect (CIE) of misinformation through the lens of the fake news phenomenon and examines whether the retraction of referring to something as "fake news" impacts memory for the retracted information.

Poorer Set Shifting Ability Prospectively Predicts Trauma-Related Rumination among Individuals Exposed to Hurricane Irma.
Kimberly Arditte Hall
Poster

Executive functions are high-level cognitive processes that guide goal-oriented behaviors. Rumination (i.e., frequent and habitual engagement with negative thoughts about oneself, one's symptoms, or one's previous life experiences) has been theoretically and empirically linked with specific impairments in executive functioning, including difficulty switching between task sets (i.e., set shifting ability). However, most previous research has been limited by the use of cross-sectional designs and no studies have examined the association between executive functioning and rumination following a potentially traumatic experience. In the current study, 64 undergraduate students completed two study visits within three months of Hurricane Irma. Within the first month after the hurricane, participants completed a color-shape switching task (Time 1). Approximately two months later, participants completed measures of trauma-related rumination and posttraumatic stress disorder (PTSD) symptoms (Time 2). At Time 2, 10.9% (n = 7) of participants screened positive for PTSD and 20.3% (n = 13) of participants endorsed at least "sometimes" ruminating about the causes and consequences of Hurricane Irma. Results revealed that poorer set shifting ability at Time 1 was prospectively associated with trauma-related rumination (r = .30, p = .02). This effect remained significant after controlling for PTSD symptom severity (β = .33, t = 2.34, p = .02, rsp2 = .08). Results provide further support for the hypothesis that impaired executive functioning underlies rumination.

Vegetation: A Tribute to the Oregon Coast Part 4
Laura Kane
Poster

Vegetation is the fourth garment in a series of creative scholarship pieces dedicated to the recreation and celebration of natural elements found along Oregon Coast. My creative scholarship is "rooted in the translation of natural movement, texture and phenomena into original surface and textile design" (Kane, 2018, p. 1) with a focus on bringing awareness to issues of sustainability and climate change. The previous garments in the series focused on coastal seafoam (Kane, 2016), endangered golden oysters (Kane, 2017), and fish vertebrae

(Kane, 2018). As this garment is the final garment in the series, I wanted to tell a more positive and hopeful story through this garments creation. The purpose of this garment is to celebrate the growing kelp farming industry and its impact on helping reduce ocean acidification and creating sustainable farming initiatives (Burns, 2018), and to do so through the lens of a ready to wear garment in a personally previously unexplored target market and fabrication. Unlike my previous three garments in the series which were designed for slim female figures, this garment is a menswear piece specifically designed for an individual client. My client served as both a model and muse for this piece.

Automation of Chemical Kinetics Experiments
Jesse Marcum
Poster

Chemical experiments are continually plagued by numerous sources of error. In order to improve the certainty of results, it is necessary to reduce these sources of error as much as possible. Often, the most significant source of error is due to the human handling of samples and human perception while recording data. It is possible to circumvent many of these problems by automating experiments. I have developed a method of automating chemical kinetics experiments to study the photodecomposition of various compounds important in the synthesis of gold nanoparticles. These studies will shed light on the underlying mechanism of how gold nanoparticles are formed from their molecular precursors.

Jupyter Computational Notebooks in the Classroom
Lawrence McKenna
Presentation

Nature magazine notes that "Computational notebooks, like Jupyter, are essentially laboratory notebooks for scientific computing. Instead of pasting, say, DNA gels alongside lab protocols, researchers embed code, data and text to document their computational methods. The result…is a "computational narrative" — a document that allows researchers to supplement their code and data with analysis, hypotheses and conjecture. Professor Lorena Barba notes that Jupyter notebooks allow her students to interactively engage with — and absorb material from — lessons in a way that lectures cannot match.

Identifying Wildlife Using Unmanned Aerial Vehicles (UAVs) and Machine-Learning Techniques
David Merwin, Lawrence McKenna, and Stephen Dinkelacker
Presentation

This study proposes an innovative approach to identifying wildlife using unmanned aerial vehicles (UAVs), high-resolution thermal and true color digital cameras, GIS software, and machine learning. The integration of these technologies as a research methodology will be the foundation for a new field methods course. The goal of this course is to expand student participation in experiential learning with demonstrable application to high-demand careers in the Commonwealth.

4th. Global Tourism & Hospitality Conference
John Palabiyik
Poster

This conference will serve as a unique platform for academics, industry leaders, journal editors, young scholars, and researchers to define the future roadmap of the global industry.

Incorporating Diversity and Inclusion in a History of Psychology Course
Nicole Rossi
Poster

Two assignments related to diversity and inclusion in the curriculum were designed and implemented in a history and systems junior/senior capstone course at Framingham State University.

Performing Nostalgia in Wood Type: Buffalo Bill Cody's Wild West Posters
Erika Schneider
Poster

Buffalo Bill's Wild West pioneered American graphic design in several arenas. Through hundreds of posters, broadsides, brochures, programs, tickets, stationery, and other ephemera, Buffalo Bill Cody and his crafty marketing team created a corporate identity based on text and image for the Wild West during the years 1883 to 1917. Considering formal elements as well as technical developments, this paper examines two wood engraved posters from 1878 and 1888 in comparison to later works to demonstrate how technology and style merged to create the lasting image of the American West. Using period images, I will also consider how the physicality of the objects acted as a pre-performance, whetting the public's appetite in anticipation for the actual event. The works demonstrate how the show's advertising capitalized on nineteenth-century American tropes, which persisted into the twentieth century and still inform our ideas of a mythological West, as seen in 20th century films and even 21st century HBO series.

Unmasking Fascism and Promoting Anti-fascism with Films
Claudia Springer
Presentation

I will present a paper at the Fifteenth International Conference on the Arts in Society at National University of Ireland in Galway in June, 2020. Titled "Unmasking Fascism and Promoting Anti-fascism in Films," my paper explores the tendency for fascist ideologies to rely on body metaphors--the head, hand, fist--to naturalize their repressive forms of control. However, these metaphors can also be turned against fascism, as they are in the films Snowpiercer (2013) and Life is Beautiful (1997). An analysis of sequences from these films reveals how their cinematic techniques expose dangerous fascist strategies, including the persecution of scapegoat groups for fascist failings, and suggests ways to spark classroom discussions about how fascism differs from democracy.

There is no word for ART in Bali
Derrick TePaske
Presentation

In the 1930's, Noel Coward made the snarky observation (to his friend Charlie Chaplin): "It appears that each Balinese native/ From the womb to the tomb is creative / And although the results are quite clever / There is too much artistic endeavor." It seems to me that the professional aesthete may have resented the cultural presumption that "anyone and everyone can do it." Mid-20th Century European artists certainly acted as agents of change in Bali. They encouraged experimentation and promoted departures from tradition, and local artists developed increasing individual styles. But even now, nearly a century later, art in Bali is more often about the best (and often collective) expressions of shared cultural traditions, rather than the celebration of individual egos.

The Joking Voice: Humor and Empathy in Modern and Contemporary American Poetry
Rachel Trousdale
Presentation

American poets of the twentieth and twenty-first centuries develop a new theory of empathic humor, in which laughter becomes a way to gague and even create fellow-feeling. This poetics of laughter is closely related to writers' politics and to their understanding of the role of the poet. Poets who see laughter as oppositional or zero-sum tend to view themselves as authorities (and, in the early twentieth century, to be attracted to fascism); those who see laughter as revealing commonality across subjective boundaries tend to celebrate a more democratic, accessible model of artistic creation.

Food for Thought! FSU Cooks: Culinary nutrition workshops help participations learn about food, cook, and eat!
Catherine Wickham
Poster

FSU Cooks was piloted during fall 2018 with two introductory campus and community lectures and three culinary nutrition workshops focused on diet and brain health. Lectures provided a backdrop to the workshops which targeted 'brainy' foods: whole grains, dark-green leafy vegetables, and spices. Workshop were led by FND faculty and FSU's executive chef. In addition, students from the FND acted as culinary assistants. Each workshop included an overview of nutrition-related topics, cooking demonstrations, and hands-on culinary experiences.