DYSON COLLEGE OF ARTS AND SCIENCES

THIRTY-NINTH

ANNUAL MEETING

OF

THE SOCIETY OF FELLOWS

SATURDAY, MARCH 7, 2020

PACE UNIVERSITY

ONE PACE PLAZA

NEW YORK, NY
THE SOCIETY OF FELLOWS
DYSON COLLEGE OF ARTS AND SCIENCES
PACE UNIVERSITY

THIRTY-NINTH ANNUAL MEETING
SATURDAY, MARCH 7, 2020
ONE PACE PLAZA

FULL-DAY SCHEDULE

9:30 a.m.  Check-in and Breakfast—Bianco Room

10:10-12:00 p.m.  Welcome and Plenary Presentation—Bianco Room

12:10-1:30 p.m.  Luncheon—Student Center

1:30-4:00 p.m.  Science Poster Presentations—Bianco Room

2:00-3:00 p.m.  First Concurrent Afternoon Panel Sessions 1 through 9

3:15-4:15 p.m.  Second Concurrent Afternoon Panel Sessions 10 through 17

Panel Sessions are located in classrooms on the 3rd Floor East Wing

4:30-5:30 p.m.  Reception and Awards Ceremony—Student Center

The Society of Fellows Executive Board acknowledges with gratitude all Faculty Sponsors and Moderators for their support of The Society of Fellows of Dyson College of Arts and Sciences
THE SOCIETY OF FELLOWS
DYSON COLLEGE OF ARTS AND SCIENCES
PACE UNIVERSITY

THIRTY-NINTH ANNUAL MEETING

9:30 a.m.  Check-in and Breakfast—Bianco Room

10:10 a.m.  Annual Meeting Welcome—Bianco Room

Dr. Maria T. Iacullo-Bird
Assistant Provost for Research, Pace University

Dr. Nira Herrmann
Dean, Dyson College of Arts and Sciences

10:15-12:00 p.m.  Plenary Presentations—Bianco Room

Ain't Nothing Here For Free
Dahveed D. Wilkins
Faculty Sponsor: Prof. Derek R. Stroup
Introduction: Prof. Sarah B. Cunningham

Tell Us How You Really Feel: Analyzing the Language Used to Assess and Describe Films Made for Young Women
Sarah R. Gibney
Faculty Sponsor: Dr. Adam G. Klein

The Impact of State Cigarette Taxes on Maternal Mortality in the US
Alexandra R. Bruno
Faculty Sponsor: Dr. Gregory Colman

Confronted by the Golden Age: Understanding Racism and Prejudice in America through South Pacific the Musical
Richard C. Sommerfield
Faculty Sponsors: Prof. Christopher M. Zaccardi and Dr. Maria T. Iacullo-Bird
12:10-1:30 p.m. Luncheon—Student Center

1:30-4:00 p.m. Science Poster Presentations—Bianco Room

Using the Model Organism, Caenorhabditis elegans (C. elegans) to Evaluate the Function of Homologous Genes Hypothesized to Impact Male Fertility
Iqra I. Ahmed; Faculty Sponsor: Dr. Matthew R. Marcello

Exotic Butters Infused with Plant Powders and Essential Oils to Combat Bacteria, Fungi, and to Shield UV Rays
Madison C. Ames; Faculty Sponsor: Dr. JaimeLee I. Rizzo

Antioxidant Activity of Milk Products
Charly A. Bisso; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

Tin Enters the Cell via Divalent Metal Transporter 1
John J. Caperella
Faculty Sponsors: Dr. Irina G. Gazaryan; Dr. Eric P. Chang; and Dr. Nancy A. Krucher

Removal of Acetaminophen in Aqueous Samples Using an Electrochemical Method
Victoria A. Carranza; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

Electrochemical Degradation of Naproxen in Aqueous Samples
Jozlyn M. Charland; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

Treatment of Plant Oils with Commercial and Recombinant Lipases Towards the Development of Consumer Products with Antimicrobial Activity
Jillian B. Coughlin
Angel E. Ordonez-Flores
Faculty Sponsors: Dr. Eric P. Chang and Dr. JaimeLee I. Rizzo

Antioxidant Activity of Herbal Teas from the Philippines
Ariana R. DeFrancesco; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

NRF2 Activation Potency of Curcumin-Based Supplements
Giovanni Fardella
Faculty Sponsors: Dr. Irina G. Gazaryan and Dr. Eric P. Chang

Characterization of Honey and Application as a Wound Dressing
Julia T. Fatum; Faculty Sponsor: Dr. JaimeLee I. Rizzo
Science Poster Presentations — Bianco Room

Characterization and Photoreactivity of Chromophoric Marine-Dissolved Organic Matter
David Gonzales; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

The Effects on Lignin-Degrading Microbes and Plant Pathogens Following a Tropical Cyclone
Brenda B. Hernandez
Natalie A. Wayland
Faculty Sponsor: Dr. William D. Eaton

Comparative Performance of Two Methods in the Removal of Sulfonamides in Aqueous Samples
Gwen M. Iannone; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

Immobilization of Enzymes Within Xerogel Materials
Elise M. Krupoff; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

The Social Organization of Public Health Care Providers in Manhattan Neighborhoods
Winter R. Lesnick; Faculty Sponsor: Dr. Erika Crispo

Use of Raman Spectroscopy to Analyze Common Over-the-Counter Drugs From the Philippines
Nino Mamisashvili; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

The Enhancement of Antimicrobial and Antibacterial Properties of Chitosan with Essential Oils When Used as a Wound Dressing
Nathalia M. Martins Santos
Faculty Sponsors: Dr. JaimeLee I. Rizzo and Dr. Chan Cho

Neurodevelopmental Model for Understanding Pediatric Stroke
Claudia M. Maxi
Faculty Sponsors: Dr. Sally A. Marik and Dr. Irina G. Gazaryan

Examining Factors that Predict Relationship Maintenance vs. Dissolution in Cross-Political Party Close Relationships
Cassandra S. Mckenna; Faculty Sponsor: Dr. Courtney L. Gosnell

Impact of PTEN on Microglia Dynamics
Adonis Miliano; Faculty Sponsor: Dr. Sally A. Marik
**Science Poster Presentations** — Bianco Room

*Effect of Diet on Microglia Dynamics in PTEN-ASD*
Kristie T. Oluyemi; Faculty Sponsor: Dr. Sally A. Marik

*Diltiazem-Dependent Inhibition of Human L-Type Calcium Channels is Amplified in the Presence of GEM*
Matthew S. Orzillo; Faculty Sponsor: Dr. Zafir K. Buraei

*Fatty Acids Profile of Some Breast Milk Samples From the Philippines*
Alexandrea C. Papadelias; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

*Degradability of Redox-Responsive Microgels and Lipobeads Tested by Confocal Microscopy*
Ricardo A. Perez
Mitchel A. Sybesma
Faculty Sponsor: Dr. Sergey Kazakov

*Synthesis of Novel Wound Healing Materials Comprised of Exotic African Butters, Marine Algae and Mushrooms*
Emiliia Petrovskaia; Faculty Sponsor: Dr. JaimeLee I. Rizzo

*Antioxidant Activities and Phenolic Content of Different Bee Pollen Samples*
Fernando Salcedo; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

*Original Crystal Lattices from Nitrogen-Containing Ligands and Metal Compounds*
Rachael H. Summers; Faculty Sponsor: Dr. Rita K. Upmacis

*Children’s Reality Status Judgements of Digital Media*
Nowou Cyrielle Talla Takoukam
Faculty Sponsor: Dr. Brenna Hassinger-Das

*Correlating the Flavonoid and Phenol Content to the Antioxidant Activity of Various European Propolis*
Alexander Tielemans; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

*Characterization and Determination of the Aggressive Growth Patterns of Japanese Stiltgrass, Microstegium Vimineum, Using Quantifiable Time-Lapse Photography Methodology*
Winnie Zhao; Faculty Sponsor: Dr. Eric D. Brenner
First Concurrent Afternoon Panel Sessions — 2:00-3:00 p.m.
(Water Station in Room E317)

Session 1
2:00-3:00 p.m.
**Novels and Short Stories**— Room E324
**Moderator: Dr. Helane Levine Keating**

*Undermining Linear Time in the Contemporary Novel*
Natalie R. Bevilacqua; Faculty Sponsor: Dr. Helane Levine-Keating

1) *Zshaboombi: The Plight of Contrition*
2) *Insanity In Islamabad*
Ivan Serge Mooh Mooh; Faculty Sponsor: Dr. Helane Levine-Keating

Session 2
2:00-3:00 p.m.
**Interdisciplinary Research between Mathematics and Applied Science**
(*Education, Ecology, Economics, and Finance*)— Room E326
**Moderator: Dr. Meng Xu**

*Are Future Educators Understanding the Structure of Algebraic Expressions?*
Yalimsis Flores; Faculty Sponsor: Dr. Meng Xu

*Maximum Entropy Models for Taylor’s Law of Individual Body Size: A Case Study From Diaoluo Mountain Forest, Hainan, China*
Mengke Jiang; Faculty Sponsor: Dr. Meng Xu

*An Evaluation of Machine Learning Algorithms and Statistical Techniques in Economic Recession Prediction*
Trist’n Z. Joseph; Faculty Sponsor: Dr. Meng Xu

*Mean-Variance Relationship of Stock Returns: A Taylor’s Power Law Approach with Applications*
David Liu; Faculty Sponsor: Dr. Meng Xu

Session 3
2:00-3:00 p.m.
**Translation and Publishing**— Room E327
**Moderators: Dr. Andriy Danylenko and Dr. R. Emilio Fernández**

*Strengthening the Field of Legal Translation and Combatting Its Deficit in New York City*
Briana Dincher; Faculty Sponsor: Dr. Andriy Danylenko

*Investigating the Effects of Traditional Publications in the Era of Open Access*
Gerardo E. Gomez; Faculty Sponsor: Dr. R. Emilio Fernández
Session 4
2:00-3:00 p.m.
Cultural Coding and Controls on Living and Learning: Historical and Sociological Interpretations – Room E328
Moderators: Prof. Claire D. Panetta and Dr. Maria T. Iacullo-Bird

Graffiti, Suicide, and The Brooklyn Bridge
Leora Karoly; Faculty Sponsor: Prof. Claire D. Panetta

Rumspringa: An Example of Hegemonic Control in Amish Society
Emma L. Wolkenstein; Faculty Sponsor: Prof. Claire D. Panetta

De Facto School Segregation in New York and the Harlem Parents Committee
Pauline E. Kuranchie; Faculty Sponsor: Dr. Maria T. Iacullo-Bird

US European Immigration and Refugee Policy During WWII
Sarah L. Pollard; Faculty Sponsor: Dr. Maria T. Iacullo-Bird

Session 5
2:00-3:00 p.m.
Theorizing the Problem of the Future – Room E329
Moderator: Dr. Daniel Barber

Queering Anticapitalist Discourse: On Lazarrato, Derrida, and Edelman
Christian S. Halstead; Faculty Sponsor: Dr. Daniel Barber

Anti-Black Grammars in Queer Theory
Julia M. Zorluoglu; Faculty Sponsor: Dr. Daniel Barber

Session 6
2:00-3:00 p.m.
Public Policy – Room E331
Moderator: Dr. Gina Scutelnicu

Plastic Bag Legislation: Evaluating and Determining Effective Policy
Liza M. Bell; Faculty Sponsor: Dr. Gina Scutelnicu

Having our Voice Heard: Explaining How NY Residents can Help Prioritize Community Needs through Participatory Budgeting
Angelina Astrouskaya; Faculty Sponsor: Dr. Gina Scutelnicu
Session 7  
2:00-3:00 p.m.  
**Protest in Asia and the Middle East**—Room E318  
**Moderator: Dr. Joseph Tse-Hei Lee**

*Transnational Activism Among Filipino-Americans*  
Alyssa Mae C. Alvarez; Faculty Sponsor: Dr. Joseph Tse-Hei Lee

*The Ageless Echoes of the Middle East*  
Rozz Alizadeh Srabi; Faculty Sponsor: Dr. Joseph Tse-Hei Lee

Session 8  
2:00-3:00 p.m.  
** Shedding Light on International Economics and Globalization**—Room E323  
**Moderator: Dr. Todd R. Yarbrough**

*Migration Flows of International Students Studying Abroad in the United States*  
Brooke M. Jefferds; Faculty Sponsors: Prof. Mark L. Weinstock and Dr. Todd R. Yarbrough

*Those Left Behind: The Effect of Emigration on Source Country Wages*  
Dustin T. Nguyen; Faculty Sponsor: Dr. Todd R. Yarbrough

*Forgotten – The Shadow of Lights*  
Yuk Ha Tsui; Faculty Sponsor: Dr. Todd R. Yarbrough

Session 9  
2:00-3:00 p.m.  
**Public Policy Outcomes of Taxation and Regulation**—Room E325  
**Moderators: Dr. Joseph C. Morreale and Prof. Mark L. Weinstock**

*A Study of Government Spending and Debt on Income Inequality*  
Luke S. Artola; Faculty Sponsor: Prof. Mark L. Weinstock

*How Does Policy Uncertainty Impact Mergers and Acquisitions in the United States?*  
Manya Gulia; Faculty Sponsor: Dr. Joseph C. Morreale

*The Efficacy of Vacancy Taxation in The District of Columbia: Does Fiscal Policy Balance Out Rental Vacancy Rates?*  
Aidan C. Reindl; Faculty Sponsor: Dr. Todd R. Yarbrough

*The Effect of US Industrial Output on Economic Growth*  
Kerstin E. Gordon; Faculty Sponsor: Dr. Joseph C. Morreale
Second Concurrent Afternoon Panel Sessions — 3:15-4:15 p.m.
(Water Station in Room E317)

**Session 10**

**3:15-4:15 p.m.**

**Literary and Cinematic Perspectives** — Room E324

**Moderator: Dr. Stephanie Hsu**

*Her: The Unreachable Space Between Words*
Francesco Fontana; Faculty Sponsor: Dr. Stephanie Hsu

*Making a Machine: Expressionism as a Gateway to the Future*
Autumn L. Sancho; Faculty Sponsor: Dr. Ruth D. Johnston

*Ornamental Theories: Approaching Cinematic Spectacle in Gold Diggers of 1933*
Leif A. Tystad; Faculty Sponsor: Dr. Ruth D. Johnston

**Session 11**

**3:15-4:15 p.m.**

**Analyses of Human Behavior** — Room E326

**Moderators: Dr. Adam G. Klein and Dr. Paul W. Griffin**

*Sexual Harassment in the Workplace: A Study of the Effects of Conflict Management*
Madison R. Dietz; Faculty Sponsor: Dr. Adam G. Klein

*Pet Ownership and Overall Well-Being*
Daniel A. Ho; Faculty Sponsor: Dr. Paul W. Griffin

**Session 12**

**3:15-4:15 p.m.**

**Achieving Positive Peace at Home and Abroad** — Room E327

**Moderator: Dr. Francis I. Bonenfant-Juwong**

*Reimagining humanitarian aid: Colonial legacy in aid delivered to the Rohingya people*
Tsun-Chueh (Duke) Huang
Faculty Sponsor: Dr. Francis I. Bonenfant-Juwong

*Curriculum as a Form of Reparations: Reviewing the Burge Torture Scandal Curriculum*
Sophia C. Ventura-Cruess
Faculty Sponsor: Dr. Francis I. Bonenfant-Juwong
Session 13  
Cultural Change and Environmental Crisis — Room E328  
Moderators: Dr. Judith Pajo and Dr. Anne H. Toomey  

Buddha, Tourism and WeChat: the Transformation of Religious Practices in Chongqing, China  
Shen Yang; Faculty Sponsor: Dr. Judith Pajo

Who Cares Anyway? An Analysis on the 2019 August Amazon Rainforest Fires Awareness  
Molly L. Eaton; Faculty Sponsor: Dr. Judith Pajo

The Hidden Crisis in Bolivia: How Tensions Over Neo-Extractionist Policies are Affecting Biodiversity, Conservation, and Indigenous Livelihoods  
Racine N. Robinson; Faculty Sponsor: Dr. Anne H. Toomey

Session 14  
Kant, Religion, Evil — Room E329  
Moderator: Dr. Eddis N. Miller  

Kant’s Kingdom of Ends and the Ecclesiastical Production of Violence  
Jacob F. Kessler; Faculty Sponsor: Dr. Eddis N. Miller

Arguments for the Existence of Evil  
Abigail Minkin; Faculty Sponsor: Dr. Eddis N. Miller

Session 15  
Media Ethics — Room E331  
Moderator: Dr. Melvin L. Williams  

The Ethics of Media in the Courtroom  
Camryn A. Conroy; Faculty Sponsor: Dr. Melvin L. Williams

Stan Twitter: To Tweet or Not to Tweet  
Anthony V. Cordi; Faculty Sponsor: Dr. Melvin L. Williams

The Happy Valley: A Social Analysis of the Jerry Sandusky Sexual-Abuse Scandal at The Pennsylvania State University  
Jillian E. Lewandoski; Faculty Sponsor: Dr. Melvin L. Williams

The Integration of Ideology with Algorithm: The Ethics of YouTube’s LGBT Discrimination Lawsuit  
Natalie P. Mulesky; Faculty Sponsor: Dr. Melvin L. Williams
Session 16  
3:15-4:15 p.m.  
The Economics of Crime, Insurance, and Collectibles — Room E323  
**Moderator:** Dr. Todd R. Yarbrough  
*The Effect of Mass Shootings on Life Insurance Premiums*  
Jonathan Ruiz de Castilla; Faculty Sponsor: Dr. Todd R. Yarbrough  
*Post Release Effects of Incarceration on Unemployment in the United States*  
Natalie M. Linero; Faculty Sponsors: Prof. Mark L. Weinstock and Dr. Gregory Colman  
*The Profitability of the Resale Market for Yeezys*  
Patrick L. Vargish; Faculty Sponsor: Dr. Todd R. Yarbrough

Session 17  
3:15-4:15 p.m.  
**Business Economics: CEO Pay, Shoes, NFL Expansions, & Broadway Shows** — Room E325  
**Moderators:** Dr. Joseph C. Morreale and Prof. Mark L. Weinstock  
*The Effect of CEO Pay on Firm Success*  
Marc D. Gosine; Faculty Sponsor: Dr. Todd R. Yarbrough  
*Expansion Policy in the NFL: Are NFL Relocations Successful for the Franchises?*  
Zachary J. Stebbins; Faculty Sponsor: Dr. Todd R. Yarbrough  
*Off-Screen Drama: Celebrities Center Stage*  
Anthony R. Roussel; Faculty Sponsors: Prof. Mark L. Weinstock and Dr. Todd R. Yarbrough

4:30-5:30 p.m.  
**Reception and Awards Ceremony** — Student Center  
Presiding, Dr. Maria T. Iacullo-Bird  
Assistant Provost for Research, Pace University
ANNOUNCEMENTS AND UPCOMING EVENTS

Society of Fellows of Dyson College Annual Initiation Ceremony
Thursday, April 16, 2020
6:00 p.m. - 8:00 p.m.
Bianco Room
Pace University, New York Campus

Transactions — Call for Papers
Full-length research papers/artistic projects submitted to the 2020 Annual Meeting will be considered for publication. It is highly recommended that students edit Annual Meeting papers with their faculty sponsors and resubmit. Please forward revised submissions or new entries by June 30, 2020 at softransactions@pace.edu

Society of Fellows Fall 2020 Annual Weekend Seminar
October 2-4, 2020, Warwick, New York
The Society of Fellows began in the fall of 1980 with a weekend seminar devoted to questions in applied ethics. The first class of members inducted at the formal inauguration of the Society in December 1981 was named after distinguished philosopher and Pace faculty member William Barrett. Since then, a new class is inducted annually and named after a member of our society who has made a significant contribution to the ideals we hold important. To date, more than 700 hold the distinction of Fellow of Dyson College.

The Society of Fellows of Dyson College is the premier honors organization in the College. The Fellows foster dialogue and scholarship across the fields of the arts and sciences through enriching experiences for students with exceptional academic and artistic abilities. The Society of Fellows provides students with opportunities to develop intellectual interests and present their research and creativity to the university community. Membership in the Society of Fellows gives recognition to advanced levels of student participation and achievement. Faculty who participate in Society of Fellows events and sponsor students also receive recognition as Fellows.

Each fall the Society of Fellows sponsors the Weekend Seminar in which students, faculty, and alumni engage in discussions on a chosen topic in a casual, off-campus setting—usually in upstate New York. At the Annual Meeting of the Society of Fellows, which is a one-day student conference held in early spring, students showcase their faculty-mentored scholarly research and artistic projects. Transactions, the official publication of the Fellows, features outstanding work written by Pace University students under the sponsorship of faculty members, many of whom are Fellows. New members are recognized at the Initiation Ceremony held at the end of the spring semester. More information about the Society of Fellows is available on the Pace University website.