

***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 3<sup>rd</sup> 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. Upmancis

*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**            **Novels and Short Stories – Room E324**  
2:00-3:00 p.m.    **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**            **Interdisciplinary Research between Mathematics and Applied Science**  
2:00-3:00 p.m.    **(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**            **Translation and Publishing – Room E327**  
2:00-3:00 p.m.    **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**                    **Protest in Asia and the Middle East – Room E318**  
2:00-3:00 p.m.           **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**                    **Shedding Light on International Economics and Globalization –**  
2:00-3:00 p.m.           **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**                    **Public Policy Outcomes of Taxation and Regulation – Room E325**  
2:00-3:00 p.m.           **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**      **Literary and Cinematic Perspectives – Room E324**  
3:15-4:15 p.m.   **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**      **Analyses of Human Behavior – Room E326**  
3:15-4:15 p.m.   **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**      **Achieving Positive Peace at Home and Abroad – Room E327**  
3:15-4:15 p.m.   **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**  
3:15-4:15 p.m.

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

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

**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**      **The Economics of Crime, Insurance, and Collectibles – Room E323**  
3:15-4:15 p.m.    **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**      **Business Economics: CEO Pay, Shoes, NFL Expansions, & Broadway**  
3:15-4:15 p.m.    **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

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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](mailto:softransactions@pace.edu)

**Society of Fellows Fall 2020 Annual Weekend Seminar**  
October 2-4, 2020, Warwick, New York



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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.