DYSON COLLEGE OF ARTS AND SCIENCES

43rd ANNUAL MEETING

of the

SOCIETY OF FELLOWS

SATURDAY, March 16, 2024
PACE UNIVERSITY
ONE PACE PLAZA
NEW YORK, NY
43rd ANNUAL MEETING
SATURDAY, March 16, 2024
ONE PACE PLAZA

FULL-DAY SCHEDULE

9:30am  Registration and Breakfast—Student Center
        *Buffet in Zannino Room. Beverages in Student Center.*

10:00am  Annual Meeting Welcome—Student Center

10:15am  Plenary Presentations—Student Center

11:45am  Break

12:00pm  Poster Session—Main Lobby

1:00pm  Luncheon—Student Center
        *Buffet in Zannino Room. Beverages and dessert in Student Center.*

2:15pm  First Concurrent Afternoon Panel Sessions 1 through 6—Fifth Floor

3:15pm  Break
        *Water in Lounge on Fifth Floor.*

3:30pm  Second Concurrent Afternoon Panel Sessions 7 through 13—Fifth Floor

4:30pm  Break

4:45pm  Awards Reception—Student Center
        *Buffet in Zannino Room. Reception in Main Lobby following awards.*

Transportation: Bus departs from Goldstein Fitness Center on Pleasantville campus at 7:30am and returns from Gold & Spruce Street on New York campus at 5:30pm.

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

43rd ANNUAL MEETING

9:30am  Registration and Breakfast—Student Center

10:00am  Annual Meeting Welcome—Student Center

Judith Pajo, PhD
Chair, Society of Fellows of Dyson College

Tresmaine Grimes, PhD
Dean, Dyson College of Arts and Sciences

10:15am  Plenary Presentations—Student Center

Unmanning Richard II: The Inherited Queer Discourse of Ricardian Chronicles
Cailyn Mickelsen; Faculty Sponsor: Sid Ray, PhD

Beyond the Curse: Navigating the Web of History, Psychology, and Ideology in The Brief Wondrous Life of Oscar Wao
Louisa Mireya Moquete Bautista; Faculty Sponsor: R. Emilio Fernández, PhD

Immigration Reform and the Labor Market: Examining SB1070's Wage Implications
Anastasia Khanukov; Faculty Sponsor: Mary Kaltenberg, PhD

Unsheltered Resilience and Spatial Policing
Dante Dallago; Faculty Sponsor: Emily Welty, PhD

Faculty Moderator: Maria-Iacullo-Bird, PhD
Assistant Provost for Research, Pace University

11:45am  Break

12:00pm  Poster Session—Main Lobby

Presiding, Judith Pajo, PhD
Chair, Society of Fellows of Dyson College

Antioxidant Properties of Taurine and Catalin Eye Drops
Morgan Amos; Faculty Sponsor: Irina Gazaryan, PhD
Sex-Dependent Differences in the Production of the Vascular Lipid Signaling Molecule Prostacyclin
Kristen Benes; Faculty Sponsor: Rita Upmacis, PhD

Comparing Antioxidant Activities among Bigelow’s Assorted Teas
Isabella Birjandi; Faculty Sponsor: Elmer-Rico Mojica, PhD

Antioxidant Activity of Ashwagandha Tea Samples
Julie Bogad; Faculty Sponsor: Elmer-Rico Mojica, PhD

Comparative Analysis of Antioxidant Activities of Fruit Tea Samplers from Celestial
Sterling Crandall; Faculty Sponsor: Elmer-Rico Mojica, PhD

Antioxidant Assessment of Different Lipton Tea Selection
Elizabeth Daley; Faculty Sponsor: Elmer-Rico Mojica, PhD

Analyzing the Mechanism of Melanoma Cell Death Induced by ACLY Inhibition in a 3D Cancer Model
Michael Ferretti; Faculty Sponsor: Nancy Krucher, PhD

Chemical Characterization of Different Solvent Fractions of Two Bee Pollen Samples
Nicole Gaspar; Faculty Sponsor: Elmer-Rico Mojica, PhD

Exploring the Health Benefits of Ready-to-Drink Teas
Daphne Hernandez; Faculty Sponsor: Elmer-Rico Mojica, PhD

Antioxidant Activity of Commercially Available Bee Propolis Sprays
Jessica Higgins; Faculty Sponsor: Elmer-Rico Mojica, PhD

Ali Hoy; Faculty Sponsor: Sergey Kazakov, PhD

Cryptographic Key Exchange
William Koumarosos; Faculty Sponsor: Shamita Dutta Gupta, PhD

Analysis of a Toothache Reliever Product
Kayla Lucas; Faculty Sponsor: Elmer-Rico Mojica, PhD

Comparative Antioxidant Activity of Commercial Herbal Tea Samples
Julia McReynolds; Faculty Sponsor: Elmer-Rico Mojica, PhD

Characterization of Tris(6-bromo-2-pyridylmethyl)amine Using Crystallographic and Spectroscopic Techniques
Trinit’y Mitchell; Faculty Sponsor: Rita Upmacis, PhD
**Relationship between the Silk Road and Establishment Years of Cities in Central Asia**
Anna Nahata; Faculty Sponsor: Wei Fang, PhD

**Do Enzymes in Muscle lysates Identify Pathophysiological Changes in Heart Failure?**
Michelle Novominski; Faculty Sponsor: Charlene Hoegler, PhD

**Identifying Expired Medications Using Spectroscopic Techniques**
Jovan Palinkas; Faculty Sponsor: Elmer-Rico Mojica, PhD

**Spectroscopic Sweetness: Delineating Honey Authenticity from Syrup Adulterants via ATR-FTIR Analysis**
Thomas Panzera; Faculty Sponsor: Elmer-Rico Mojica, PhD

**Are Invasive Woody Vines Outcompeting Native Tree and Shrub Species Due to Factors Exacerbated by Climate Change?**
Daniel Rivera; Faculty Sponsor: Wei Fang, PhD

**Antioxidant Capacity of Various European Bee Propolis Samples**
Natalie Rodrigues; Faculty Sponsor: Elmer-Rico Mojica, PhD

**Urbanization History of Surviving Cities along the Ancient Silk Road**
Mark Shelan; Faculty Sponsor: Wei Fang, PhD

**ATF4 and JNK pathway Mediate Apoptosis in Response to ACLY Inhibition**
Anastasiia Vaska; Faculty Sponsor: Nancy Krucher, PhD

**Benzoic Acid and Caffeine Content of Different Energy Drinks**
Amy Yarygina; Faculty Sponsor: Elmer-Rico Mojica, PhD

**Antioxidant Activity of Commercial Herbal Tea Samples from the Philippines**
Muxi Zhang; Faculty Sponsor: Elmer-Rico Mojica, PhD

&

Special: Prestigious Awards and Graduate Fellowships
Hosted by Moira Egan, PhD

1:00pm  **Luncheon**—Student Center

Roundtable 1: How to Become a Fellow
Hosted by R. Emilio Fernández, PhD

Roundtable 2: Undergraduate Research Opportunities at Pace
Hosted by Maria Iacullo-Bird, PhD
Roundtable 3: Alumni Reunion
Roundtable 4: Weekend Seminar Reunion

*Start your own conversations at the other tables!

2:15pm **First Concurrent Afternoon Panel Sessions 1 to 6**—Fifth Floor

**Session A1**  
**Verse and Vision in the City**
- **Art & English**
  - CIVIC W518
  - 2:15-3:15pm
  - *Bedtime Stories from Brooklyn*
    - Felicity Flores; Faculty Sponsor: Eugene Richie, PhD
  - *Upside Down*
    - Suzanne Smith; Faculty Sponsor: Jillian McDonald, MFA
  - Faculty Moderator: Adrienne Kapstein, MFA

**Session A2**  
**Resilience and Transformation Amidst COVID-19**
- **History & Economics**
  - CIVIC W514
  - 2:15-3:15pm
  - *Factors Influencing Foreign Direct Investment Growth Before and During Covid*
    - Tri (Harvey) Minh Nguyen; Faculty Sponsor: Sam Baruch
  - *How COVID-19 School Closures Impacted Education Inequality in America: A Statewide Study from 2017-2022*
    - Lauren Perez; Faculty Sponsor: Kier Hanratty, PhD
  - *Understanding COVID through Oral History: The COVID-19 and Black Lives Matter Movement Oral History Project*
    - Jillian Igneri; Faculty Sponsor: Maria Iacullo-Bird, PhD
  - Faculty Moderator: Kier Hanratty, PhD

**Session A3**  
**Sustainability: Local and Global Trends**
- **Anthropology & Economics**
  - CIVIC W507
  - 2:15-3:15pm
  - *A Global Analysis of Greenhouse Gas Emissions in 2021*
    - Gunnar Freeman; Faculty Sponsor: Sam Baruch
  - *Community Composting and Its Value to an Urban Environment*
    - Marcella Landa; Faculty Sponsor: Judith Pajo, PhD
  - Faculty Moderator: Judith Pajo, PhD
First Concurrent Afternoon Panel Sessions 1 through 6, Continued

**Session A4**

**Economics**

**CIVIC W511**

*2:15-3:15pm*

**Measuring Up Markets**

*Degrees and Downturns: A Study Investigating the Effect of Graduation Year on Earnings and Primary Job Promotion*

Mariam Elzoghby; Faculty Sponsor: Mary Kaltenberg, PhD

*Measuring the Impact of Combining Savings Vehicles on Confidence*

Giselle Garriga; Faculty Sponsor: Mary Kaltenberg, PhD

*Understanding Transactional Tri-Party Repo Market Volume*

Suraj Sharma; Faculty Sponsor: Sam Baruch

*Impact of Macroeconomics Policies on the Real Estate Market in NYC*

Viktoriia Yevtushenko; Faculty Sponsor: Todd Yarbrough, PhD

Faculty Moderator: Mary Kaltenberg, PhD

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**Session A5**

**English & Psychology**

**CIVIC W509**

*2:15-3:15pm*

**Human Dynamics in Education**

*The Impact of Parental Preferences and Beliefs About Play on Child Play Activities*

Megan Sánchez; Faculty Sponsor: Brenna Hassinger-Das, PhD

*Barriers to Success: The Influence of Classroom Dynamics*

Faith Gregory; Faculty Sponsor: Meaghan Brewer, PhD

*Syllabi In Action: Making Space for Student Bodyminds through Co-Constructed Syllabi*

Hannah Mills; Faculty Sponsor: Vyshali Manivannan, PhD

Faculty Moderator: Paul Griffin, PhD

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**Session A6**

**Philosophy, & Peace and Justice Studies**

**CIVIC W512**

*2:15-3:15pm*

**Navigating Activism and Justice**

*From Ego to Eco: Transformative Lessons of Buddhist Non-Self for Global Citizenship*

Tyne Skelton; Faculty Sponsor: Brandyn Heppard, PhD

*Passing the Baton to the Next Generation and Then Shackling Their Feet to the Ground: Risk and Resilience in the Fight Against Florida’s Don’t Say LGBT Bill and the Impacts on Queer Youth Activists Well-Being*

Louise Wandesforde; Faculty Sponsor: Emily Welty, PhD

*Doula Activism: Navigating Social Justice in Harmful Systems*

Mikayla Meachem; Faculty Sponsor: Emily Welty, PhD

Faculty Moderator: Brandyn Heppard, PhD
3:15pm  **Break**—Water Bubbler in Lounge Area on Fifth Floor

3:30pm  **Second Concurrent Afternoon Panel Sessions 7 to 13**—Fifth Floor

**Session B7  Kinship, Religion, Nationalism**

Art &
Political Science
CIVIC W518
3:30-4:30pm

- *Bollywood and Hindu Nationalism*
  Varshita Korrapati; Faculty Sponsor: Paul Londrigan, PhD

- *The Interconnected Relationship Between Motherhood and Devotion*
  Amaya Washington; Faculty Sponsor: Zo Kambour, MA

**Faculty Moderator:** Zo Kambour, MA

**Session B8  Gender and Identity**

Literature & Peace and Justice Studies
CIVIC W514
3:30-4:30pm

- *Beyond the Binary: Lady Macbeth's Exploration of Gender Duality in Shakespeare’s Macbeth*
  Emilia Gillen; Faculty Sponsor: Sid Ray, PhD

- *A Gay Old Time*
  Jack Niemczyk; Faculty Sponsor: Sid Ray, PhD

- *Menstruating in America: The Care and Keeping of You*
  Kalina Walaski; Faculty Sponsor: Emily Welty, PhD

**Faculty Moderator:** Emily Welty, PhD

**Session B9  Media and Social Media**

Communications & Peace and Justice Studies
CIVIC W512
3:30-4:30pm

- *Analysis on Controversial Topics and Threats on Freedom of Press in Pace University’s Student Newspaper*
  Sahtrese McQueen; Faculty Sponsor: Katherine Fink, PhD

- *TikTok, Trauma, and the Possibilities for Peace and Justice: The Impact of Trauma Language Misuse on Social Media*
  Margaret Kelly; Faculty Sponsor: Garrett FitzGerald, PhD

- *Across the Pond: Globalization of Social Media between the US and the UK*
  Emily Whitehill; Faculty Sponsor: Satish Kolluri, PhD

**Faculty Moderator:** Garrett FitzGerald, PhD
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<th>Session B10</th>
<th>Games, Players, and Controversies in Sports</th>
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| Communications & Economics | An Analysis of Ja Morant’s Gun Controversy  
Samuel Bloodworth; Faculty Sponsor: Melvin Williams, PhD |
| CIVIC W509 | The Chicago Blackhawks Sexual Assault Case  
Mia Condoleo; Faculty Sponsor: Melvin Williams, PhD |
| 3:30-4:30pm | First Round Loser Effect: An Econometric Analysis of First Round Success Rates in the NFL  
McKenna Moore; Faculty Sponsor: Mary Kaltenberg, PhD |
| | How Does the Presence of Star NBA Players Affect Arena Attendance?  
Shadman Rahman; Faculty Sponsor: Mary Kaltenberg, PhD |
| | Faculty Moderators: Melvin Williams, PhD |

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<th>Session B11</th>
<th>Violence and Fear in Contemporary Society</th>
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| Economics & Peace and Justice Studies | Lining Up for the Slaughter: Examining the Traumagenic Nature of Lockdown Drills as a Mode of Active-Shooter Preparedness in Schools  
Chandler Murphy; Faculty Sponsor: Emily Welty, PhD |
| CIVIC W505 | Serial Killer Motives: A Quantitative Investigation of Contributors to the Rise and Decline in Serial Killer Victims by State  
Kristina Nasteva; Faculty Sponsor: Sam Baruch |
| 3:30-4:30pm | Faculty Moderator: Kier Hanratty, PhD |

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<th>Session B12</th>
<th>Healthcare Economics and Policies</th>
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Macey Cooper; Faculty Sponsor: Mary Kaltenberg, PhD |
| CIVIC W507 | An Analysis of The Factors That Contributed to The Global Declining Birth Rates In 2021  
Shaniah James; Faculty Sponsor: Sam Baruch |
| 3:30-4:30pm | Syringe Service Programs: What About 1:1?  
Izzy Vargas-Soto; Faculty Sponsor: Sam Baruch |
| | Faculty Moderator: Greg Colman, PhD |
**Session B13  International Developments**

Political Science & Economics  
CIVIC W511  
3:30-4:30pm  

- *Foreign Intervention in Laos: A Political and Economic Development Handicap*  
  Michael Conrad; Faculty Sponsor: Amy Freedman, PhD

- *Deglobalization and the Reconfiguration of Global Value Chain in Asia*  
  Quang Huy Nguyen; Faculty Sponsor: Mark Weinstock, CBE

- *Firm Characteristics that Cause Economic Resilience in Times of Financial Crisis. An Analysis of Turkish Firms During the Eurozone Crisis*  
  Thomas Shen; Faculty Sponsor: Mary Kaltenberg, PhD

  Faculty Moderator: Mark Weinstock, CBE

4:30pm  **Break**

4:45pm  **Awards Ceremony**—Student Center  
  Presiding, Judith Pajo, PhD  
  Chair, Society of Fellows of Dyson College
ANNOUNCEMENTS AND UPCOMING EVENTS

Initiation Ceremony
April 16, 2024
6-8pm, One Pace Plaza
Pace University, New York

Weekend Seminar
Fri-Sun, October 4-6, 2024
Location: TBA

Transactions—Call for Papers

Full-length research papers and artistic projects submitted to the 43rd Annual Meeting in 2024 are considered for publication in Volume 25 of Transactions. Students interested in being published are encouraged to revise their Annual Meeting papers with the help of their faculty sponsors and submit their original or revised papers or new entries such as honors theses to sof@pace.edu by Friday, May 31, 2024. To be reviewed and considered for publication, work needs to be emailed by deadline.

The Society of Fellows began in the fall of 1980 with a weekend seminar devoted to questions in applied ethics. The first class of fellows 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 has been inducted annually and named after a member of our society who has made a significant contribution to the ideals that we hold important. To date, more than 700 students, faculty, and alumni hold the distinction of Fellow of Dyson College.

The Society of Fellows is the premier honors organization in Dyson College. The society fosters 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 at http://www.pace.edu/dyson/sof.