

DYSON COLLEGE OF ARTS AND SCIENCES

42nd ANNUAL MEETING
of the
SOCIETY OF FELLOWS



SATURDAY, FEBRUARY 25, 2023
PACE UNIVERSITY
ONE PACE PLAZA
NEW YORK, NY

THE SOCIETY OF FELLOWS
DYSON COLLEGE OF ARTS AND SCIENCES
PACE UNIVERSITY

42nd ANNUAL MEETING
SATURDAY, FEBRUARY 25, 2023
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 7—Fifth Floor
- 3:15pm Break
Water in Lounge on Fifth Floor.
- 3:30pm Second Concurrent Afternoon Panel Sessions 8 through 14—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

42nd ANNUAL MEETING

9:30am **Registration and Breakfast**—Student Center

10:00am **Annual Meeting Welcome**—Student Center

Judi 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

Folklore from Harlem: A Collection of Poems

Felicity Flores-Drew; Faculty Sponsor: Eugene Richie, PhD

Superheroes: Representation of Philosophy and Politics in Media

Varshita Korrapati; Faculty Sponsor: Brandyn Heppard, PhD

*A Spatio-Temporal Analysis of Trapa Natans and Native Submerged
Aquatic Vegetation Distribution in the Hudson River*

Christopher Rafaniello; Faculty Sponsor: Wei Fang, PhD

Politics, Relationships, and Moral Foundations

James Kennedy; Faculty Sponsor: Courtney Gosnell, PhD

Faculty Moderator: Mark Weinstock, CBE

11:45am **Break**

12:00pm **Poster Session**—Main Lobby

Presiding, Judi Pajo, PhD

Chair, Society of Fellows of Dyson College

Analyzing the Computational Electrostatics Function of Ethacridine to Topoisomerase I in Escherichia Coli

Noor Aayla; Faculty Sponsor: Daniel Strahs, PhD

Bodies @ Work

Adam Mansur Al-Hatlani; Faculty Sponsor: Inbal Abergil, MFA

Cream Formulations to Enhance Dermal Bacterial Resistance Using Dead Sea Mineral Mud

Diana Bello; Faculty Sponsor: JaimeLee Rizzo, PhD

Sex-Dependent Differences in the Production of the Vascular Lipid Signaling Molecule Prostacyclin

Kristen Benes; Faculty Sponsor: Rita Upmacis, PhD

Antioxidant Activity of Matcha Tea Samples

Julie Bogad; Faculty Sponsor: Elmer Mojica, PhD

Unraveling the Mathematical Mystery of RSA

Nora Broyles; Faculty Sponsor: Shamita Dutta Gupta, PhD

Determination of the Calcium and Magnesium Content in Bottled Water

Olivia Cullen; Faculty Sponsor: Elmer Mojica, PhD

Spectroscopic Determination of Caffeine Levels in Red Bull Samples

Tamara Duval; Faculty Sponsor: Elmer Mojica, PhD

The Natural Increase in Urbanization of the OECD

Katherine Garcia; Faculty Sponsor: Todd Yarbrough, PhD

Caffeine Determination of Pre-Workout Supplements

Ethan Grimes; Faculty Sponsor: Elmer Mojica, PhD

Phenolic Profiles and Antioxidant Activity of Arizona Tea Samples

Daphne Hernandez; Faculty Sponsor: Elmer Mojica, PhD

Antioxidant Activity of Commercial Bee Propolis Products

Jessica Higgins; Faculty Sponsor: Elmer Mojica, PhD

Mechanism Of Anti-Ischemic Action of Edaravone

Sara Hubbi; Faculty Sponsor: Irina Gazaryan, PhD

Real-time Degradation and Swelling of Disulfide Cross-Linked Microgels at Different Concentrations of the Reducing Agent

Angelina Italiano; Faculty Sponsor: Sergey Kazakov, PhD

Antioxidant Activities of Commercial Tea Samples
Shaj Johnson; Faculty Sponsor: Elmer Mojica, PhD

Infrared (IR) Analysis of Commercial Bee Propolis Products
Kayla Lucas; Faculty Sponsor: Elmer Mojica, PhD

Synthesis of Unique Body Scrubs Made of Natural Oils for the Inhibition of Bacteria and Protection Against UV Radiation
Francesca Marchese; Faculty Sponsor: JaimeLee Rizzo, PhD

Antioxidant Activity of Tulsi Tea Samples
Brandon Pedroza; Faculty Sponsor: Elmer Mojica, PhD

Quinine Content in Different Tonic Water Samples
Alena Romanova; Faculty Sponsor: Elmer Mojica, PhD

Antioxidant Capacity of Various Bee Pollen Samples
Carly Sullivan; Faculty Sponsor: Elmer Mojica, 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: Prestigious Awards and Graduate Fellowships
Hosted by Moira Egan, PhD

Roundtable 4: Public Scholarship & Community-Based Knowledge
Hosted by Stephanie Hsu, PhD

Roundtable 5: How to Make a Lot of Money with Economics or Business Economics as Your Major
Hosted by Mark Weinstock, CBE

Roundtable 6: Alumni Table

Roundtable 7: Weekend Seminar Reunion

Roundtables 8-20: *Start your own conversations!*

2:15pm **First Concurrent Afternoon Panel Sessions 1 to 7—Fifth Floor**

Session A1 From Physics to Metaphysics

Philosophy & Science *In Search of Late Cretaceous Coprolites and the Determination of Diets in a Terrestrial Ecosystem*

CIVIC W512 Brianna Hemmings; Faculty Sponsor: Zafir Buraei, PhD

2:15-3:15pm *Understanding Faunal Dynamics and Variation During the Cretaceous Terrestrial Revolution*

Veronica Kashua; Faculty Sponsor: Zafir Buraei, PhD

Morality, Racism, and Kant

Kenady Brown; Faculty Sponsor: Eddis Miller, PhD

Spinoza and Somananda: A Cohesive Comparison of Monistic Philosophy

Tyne Skelton; Faculty Sponsor: Eddis Miller, PhD

Faculty Moderator: Brandyn Heppard, PhD & Eddis Miller, PhD

Session A2 The Art of the Short Story: 5 Fiction Writers, Part 1

Creative Writing *Silence*

CIVIC W514 LilyAnne Bernard; Faculty Sponsor: Helane Levine-Keating, PhD

2:15-3:15pm *My Body of Water*

Mary Justin; Faculty Sponsor: Helane Levine-Keating, PhD

Suite: "Skitzy" and "What I Felt"

Jay Servedio; Faculty Sponsor: Helane Levine-Keating, PhD

Faculty Moderator: Helane Levine-Keating, PhD

Session A3 Refugees, Immigration, Citizenship

Art & Social Sciences *Addressing What Stands in the Way: "Why Don't They Just Come Here Legally?"*

CIVIC W509 Aryaa Moudgal; Faculty Sponsor: Meghana Nayak, PhD

2:15-3:15pm *Puerto Rican Americans and their Answer to the Question: Statehood or Independence?*

Andrew Villardi; Faculty Sponsor: Judith Pajo, PhD

In Ordinary Ink, Part 1

Veronika Orlovskaya; Faculty Sponsor: Jillian McDonald, MFA

Faculty Moderator: Joseph Lee, PhD

First Concurrent Afternoon Panel Sessions 1 through 7, Continued

Session A4

Employment, Unemployment and Hiring Practices

Economics

Ivy League Perceptions

CIVIC W513

McKenna Moore; Faculty Sponsor: Todd Yarbrough, PhD

2:15-3:15pm

Hurricane Sandy's Effect on Tourism Employment in New Jersey

Caterina Messina; Faculty Sponsor: Todd Yarbrough, PhD

Unemployment in the Entertainment Industry During an Economic Downfall

Melissa Rubio; Faculty Sponsor: Todd Yarbrough, PhD

Faculty Moderator: Todd Yarbrough, PhD

Session A5

Understanding Growth

Economics

The Hockey Wife Effect

CIVIC W515

Megan LeClair; Faculty Sponsor: Kier Hanratty, PhD

2:15-3:15pm

How Long do Movie-Watchers Want to Stay in Their Seats:

Runtime of a Film and its Reviews

Cecelia Pruitt; Faculty Sponsor: Mark Weinstock, CBE

Bye-Bye Buybacks: The Effect of Corporate Stock Buybacks on Corporate Performance

Nicole Leonard; Faculty Sponsor: Todd Yarbrough, PhD

Bitcoin: Emergence of Global Investment Asset

Huy Nguyen; Faculty Sponsor: Todd Yarbrough, PhD

Faculty Moderator: Kier Hanratty, PhD

Session A6

Policies, Markets, and Social Goods

Economics

What's Public About Charter Schools

& Public

Margaret E. Walsh; Faculty Sponsor: Ric Kolenda, PhD

Administration

The Effect of Wildfires on Housing Market Outcomes: Evidence from California

CIVIC W511

Maria Andrukhiv; Faculty Sponsor: Todd Yarbrough, PhD

2:15-3:15pm

Zoning and City Revenues: Does Euclidean Zoning Impact Cities' Tax Revenues?

Jett Robert Meek; Faculty Sponsor: Todd Yarbrough, PhD

Faculty Moderator: Ric Kolenda, PhD

First Concurrent Afternoon Panel Sessions 1 through 7, Continued

Session A7

Issues in Health and Healthcare

Economics
& Public
Administration

*Video Game Addictions: What Gaming Companies Do to Make
Video Games Addictive*

Saurav Bhatt; Faculty Sponsor: Mark Weinstock, CBE

CIVIC W503

*The Role of Business Model Innovation in Impacting Social
Determinants of Health*

2:15-3:15pm

Chandrasekhar Sharma; Faculty Sponsor: Tiffany Henley, PhD

Faculty Moderator: Tiffany Henley, PhD

3:15pm

Break—Water Bubbler in Lounge Area on Fifth Floor

3:30pm

Second Concurrent Afternoon Panel Sessions 8 to 14—Fifth Floor

Session B8

Writing for Theater, Film, and Media

Film and
Screen Studies
& Peace and
Justice Studies
& Communication
Studies

We Sleep, We Dream: Adapting A Midsummer Night's Dream

Alexandria Grigsby; Faculty Sponsor: Sid Ray, PhD

Happy Holidays: A Theatrical Exploration of Reconciliation

Dante Dallago; Faculty Sponsor: Emily Welty, PhD

Happy Holidays: A Theatrical Exploration of Reconciliation

Kalina Walaski; Faculty Sponsor: Emily Welty, PhD

CIVIC W515

Rob & Ryan Takeover Wrexham AFC

3:30-4:30pm

Sascha Ouaknine; Faculty Sponsor: Melvin Williams

Faculty Moderator: Emily Welty, PhD

Session B9

The Art of the Short Story: 5 Fiction Writers, Part 2

Creative Writing

My Blue Ribbon

Jack Niemczyk; Faculty Sponsor: Helane Levine-Keating, PhD

CIVIC W514

Maman

3:30-4:30pm

Zoe Schuman; Faculty Sponsor: Helane Levine-Keating, PhD

Followed by Q & A with all five fiction writers from parts 1 and 2.

Faculty Moderator: Helane Levine-Keating, PhD

Second Concurrent Afternoon Panel Sessions 8 through 14, Continued

Session B10

Gender and Family in Literature and Society

Humanities
& Literature

The History of the Gender Binary
Amanda Rodriguez; Faculty Sponsor: Angela Legg, PhD

CIVIC W512
3:30-4:30pm

Enclosed Ambiguities in Jane Austen's Emma
Cailyn Mickelsen; Faculty Sponsor: Sid Ray, PhD
Hotspur and the Death of Honor: Exchanging Masculinities in Henry IV Pt 1
Cayla Quinn; Faculty Sponsor: Sid Ray, PhD
Faculty Moderator: Sid Ray, PhD

Session B11

Power of Cinema: Past, Present, Future

French &
Film and
Screen Studies

The Ropes of Racism
Kristianna Jordan; Faculty Sponsor: Adelia Williams, PhD

CIVIC W509
3:30-4:30pm

The Glaring Gaze
Jazmyn Jones; Faculty Sponsor: Adelia Williams, PhD
Ruination of Motherhood: Subversion of Domestic Life in Xavier Dolan's Mommy
Emily Wernick; Faculty Sponsor: Adelia Williams, PhD
Technological Reproduction Revolution: Casual Movie Watching as Temporal and Spatial Travel Destinations
Mick Bongiovi; Faculty Sponsor: Ruth Johnston
Faculty Moderator: Adelia Williams, PhD

Session B12

The Multiple Effects of Covid-19

History
& Psychology
& Economics

COVID-19 and Black Lives Matter Oral History Project
Madison Turunen; Faculty Sponsor: Maria Iacullo-Bird, PhD

CIVIC W511
3:30-4:30pm

The Effects of COVID-Related Bereavement on Sleep Disturbance in Young Adults
Nicole C. Maewsky; Faculty Sponsor: Anthony Mancini, PhD
Covid-19 Effect on U.S. Airfares
Hackeem Alves; Faculty Sponsor: Todd Yarbrough, PhD
The Effect of Covid-19 on the Gender Wage Gap in the Finance Industry
Kate Fong; Faculty Sponsor: Gregory Colman, PhD
Faculty Moderator: Anthony Mancini, PhD

Second Concurrent Afternoon Panel Sessions 8 through 14, Continued

Session B13

International Economies and Comparisons

Economics

CIVIC W513

3:30-4:30pm

Why are Some Countries More Corrupt than Others? An Econometric Investigation of Factors that Affect Corruption Rates
Cristovao da Silveira Serafim; Faculty Sponsor: Sam Baruch, PhD

The Godfather Part IV: The Study of Criminality & Resilience on the Criminal Market of Countries

Courtney Koprowicz; Faculty Sponsor: Todd Yarbrough, PhD & Mark Weinstock, CBE

The Role of Internet Access and Financial Literacy on Entrepreneurial Growth in Egypt

Ryan Shehata; Faculty Sponsor: Mary Kaltenberg, PhD

Faculty Moderator: Joseph Morreale, PhD & Anna Shostya, PhD

Session B14

Film Screening

Art & Film and
Screen Studies

CIVIC W503

3:30-4:30pm

In Ordinary Ink, Part 2

Veronika Orlovska; Faculty Sponsor: Jillian McDonald, MFA

Faculty Moderator: TBD

4:30pm

Break

4:45pm

Awards Ceremony—Student Center

Presiding, Judi Pajo, PhD

Chair, Society of Fellows of Dyson College

ANNOUNCEMENTS AND UPCOMING EVENTS

Initiation Ceremony

April 24, 2023 [tentative]
6-8pm, One Pace Plaza
Pace University, New York

Weekend Seminar

Fri-Sun, October 6-8, 2023 [tentative]
Location: Wisdom House, Litchfield, CT

Transactions—Call for Papers

Full-length research papers and artistic projects submitted to the 42nd Annual Meeting in 2023 are considered for publication in Volume 24 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 papers or revised papers or new entries to softransactions@pace.edu by **Wednesday, May 31, 2023**. 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 <https://www.pace.edu/dyson/life-dyson/society-of-fellows>.