

DYSON COLLEGE OF ARTS AND SCIENCES

**THIRTY-SEVENTH
ANNUAL MEETING
OF
THE SOCIETY OF FELLOWS**



SUNDAY, MARCH 25TH, 2018

PACE UNIVERSITY

ONE PACE PLAZA

NEW YORK, NY

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

**THIRTY-SEVENTH ANNUAL MEETING
SUNDAY, MARCH 25TH, 2018
ONE PACE PLAZA**

10:00 a.m. **Check-in and Breakfast** – Bianco Room

10:45 a.m. **Annual Meeting Welcome** – Bianco Room

11:00-12:40 p.m. **Plenary Presentations** – Bianco Room

12:45-2:00 p.m. **Luncheon and Poster Session** – Gym

2:15-3:15 p.m. **First Concurrent Afternoon Panel Sessions 1 through 9**

3:30-4:30 p.m. **Second Concurrent Afternoon Panel Sessions 10 through 18**

Panel Sessions are located in classrooms on the 3rd Floor East Wing and the Bianco Room of One Pace Plaza

4:45-5:30 p.m. **Reception and Awards Ceremony** – Bianco Room

**The Society of Fellows Executive Board wishes to thank and acknowledge 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-SEVENTH ANNUAL MEETING

10:00 a.m. **Check-in and Breakfast** – Bianco Room

10:45 a.m. **Annual Meeting Welcome** – Bianco Room

Dr. Maria T. Iacullo-Bird
Assistant Dean, Dyson College of Arts and Sciences

Dr. Nira Herrmann
Interim Provost, Pace University

11:00-12:40 p.m. **Plenary Session** – Bianco Room

A New Approach to Drug Discovery for the Treatment of Cryptosporidiosis
Mohini Gobin
Faculty Sponsor: Dr. Nigel R. Yarlett

*The Impact of Hours Invested in Co-Curricular Student Involvement on
Cumulative GPA: A Pace University Case Study*
Jenna Hager
Faculty Sponsor: Dr. Anna Shostya

*Language Use in Predicting Responses Following Romantic Relationship
Breakups: A Test of the Bad News Response Model*
Jessica Sampson
Faculty Sponsor: Dr. Angela M. Legg

*Manipulating the “Master Narrative”: Wide Sargasso Sea as a Response to
Jane Eyre*
Eli Yampel
Faculty Sponsor: Dr. Bette Kirschstein

12:45-2:00 p.m. **Luncheon and Poster Session** – Gym
Presiding, Dr. Maria Iacullo-Bird
Assistant Dean, Dyson College of Arts and Sciences

Negotiating Networks of Writing Support: Non-traditional Female Students as Returning Writers

Alexa Blanco and Alexandra Franciosa
Faculty Sponsor: Dr. Robert J. Mundy

Zero acreage gardening provides accessibility to community gardeners: The Electric Ladybug Garden's vertical fence project

Katherine Cognata; Faculty Sponsor: Dr. E. Melanie DuPuis

Characterization of bee propolis from Bulgaria and Serbia

Josephine Farshi; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

The Crosstalk Between Presenilin and TRPC5 and its Potential Role in Alzheimer's Disease

Melanie Franco; Faculty Sponsor: Dr. Zafir K. Buraei

The Role of the Unfolded Protein Response in the Malfunction of a Human PO-Type Calcium Channel Mutant Associated With Epilepsy

Emily Hirowski; Faculty Sponsor: Dr. Zafir K. Buraei

Binding capacity of nanoceramics with sulfa drugs

Gwen Iannone; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

Mechanical and Topographical Analysis of Silicone Ceramic Precursors

Joshua Kreitler; Faculty Sponsor: Dr. Joseph W. Krumpfer

Synthesis of unique lubricants made of exotic butters infused with indigenous oils to promote inhibition of bacteria and protection against UV radiation

Michelle Lopata; Faculty Sponsor: Dr. JaimeLee I. Rizzo

Phenomenological models for the relationships among occupancy, spatial mean, and spatial variance of species population abundance

Kaiying Mo; Faculty Sponsor: Dr. Meng Xu

Poster Session (continued) – Gym

Synthesis and Characterization of Metal Complexes Containing Nitrogen Ligands

Kaltrina Mulosmani; Faculty Sponsor: Dr. Rita K. Upmancis

Conservation Education Spaces in the Bronx Zoo: Exploring Ex-Situ Practices that Best Contribute to Conservation Stewardship

Katherine Murphy; Faculty Sponsor: Dr. Anne H. Toomey

The Binding Interaction of Nanomaterials of Human Serum Albumin

Tyler Nolan; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

Ucuuba, tamanu, and aloe vera butters as a new formulation to enhance bacterial resistance and UV protection

Rudra Persaud; Faculty Sponsor: Dr. JaimeLee I. Rizzo

Chromatographic analysis of amphetamines in biological samples

Lauren Reilly; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

A Novel Antimicrobial Surface Utilizing Beeswax and Essential Oils

Luke Shapiro; Faculty Sponsor: Dr. JaimeLee I. Rizzo

Temperature-Controlled Microscopy of Microgels, Liposomes, and Lipobeads on Hydrophobically Modified Glass Slides

Gregory Vance; Faculty Sponsor: Dr. Sergey V. Kazakov

Phenol content and antioxidant activities of several commercial tea samples

Amanda Villaggi; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

Sample preparation and analysis of PAHs (polycyclic aromatic hydrocarbons) in milk samples

Lyric Wyan; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

Evaluating the Water Quality of Selected Polluted Sites in New York City

Jahaira Zapata; Faculty Sponsor: Dr. Elmer-Rico E. Mojica

First Concurrent Afternoon Panel Sessions – 2:15-3:15 p.m.

Session 1 Issues in Peace and Justice Studies – Room E327

2:15-3:15 p.m. **Moderator: Dr. Emily E. Welty**

A Case Study of Nagorno-Karabakh and Armenian-Azerbaijani Interpersonal Relations

Sheyda Aliyeva; Faculty Sponsor: Dr. Emily E. Welty

A Study of the Factors Leading to Domestic Islamic Radicalization

Rachael Pepper; Faculty Sponsor: Dr. Emily E. Welty

Is Fair Trade Changing Lives? Evaluating Fair Trade Jewelry's Female Empowerment Claim

Alexis Schutz; Faculty Sponsor: Dr. Emily E. Welty

Black Madonnas: The Effects of the Idealization and Stigmatization of the Social Phenomenon 'Virginity' on African American Women

Lorraine Bishop; Faculty Sponsor: Dr. Emily E. Welty

Session 2 Public Policy and Education – Room E317

2:15-3:15 p.m. **Moderator: Dr. Hillary J. Knepper**

Federal and State Funding of Higher Education: Successes, Improvements, and Impacts on Institutions

Nina Emser; Faculty Sponsor: Dr. Gina Scutelnicu

Sexual Health Education and Adolescents with Intellectual Disabilities

Victoria Gonzalez; Faculty Sponsor: Dr. Gina Scutelnicu

Session 3 Inorganic and Bioinorganic Chemistry – Room E326

2:15-3:15 p.m. **Moderators: Dr. Joseph W. Krumpfer and Dr. Irina G. Gazaryan**

Modification of Inorganic Oxide Surfaces via Vapor-Solid Ring-Opening Polymerizations of Cyclic Siloxanes

Kaleigh Ryan; Faculty Sponsor: Dr. Joseph W. Krumpfer

Activation of Antioxidant Program With Tin (II) Ion

John Caperella; Faculty Sponsor: Dr. Irina G. Gazaryan

Cobalt (II) Ion: Direct Activator Of Antihypoxic and antioxidant programs

Jessica Zhinin-Yanqui; Faculty Sponsor: Dr. Irina G. Gazaryan

Session 4
2:15-3:15 p.m.

Historical Perspectives on Gender, Class, and Race in Twentieth Century New York City – Room E316
Moderator: Dr. Maria T. Iacullo-Bird

The Uprising of the 20,000: The Shirtwaist Worker's Strike and its Impact on Female Immigrants

Phoebe Callard; Faculty Sponsor: Dr. Maria T. Iacullo-Bird

Bedford Stuyvesant and the 1964 Harlem Riots

Naglis Bukauskas; Faculty Sponsor: Dr. Maria T. Iacullo-Bird

Session 5
2:15-3:15 p.m.

Studies in Language and Culture – Room E306
Moderators: Dr. Antonia Garcia-Rodriguez, Dr. Andrés Villagrà, and Dr. Andriy Danylenko

The Oversexualization of Latinas in Contemporary US Films

Olivia Juliet Taylor; Faculty Sponsor: Dr. Antonia Garcia-Rodriguez

Y Tu Mama También and The Culture of Mexico

Blossom Kelley-Washington

Faculty Sponsor: Dr. Antonia Garcia-Rodriguez

Hip Hop and Flamenco: dance styles used as instruments for social representation and political change

Samantha Hickman; Faculty Sponsor: Dr. Andrés Villagrà

Understanding Russian Feminism Through Anna Karenina

Olivia Cobleigh; Faculty Sponsor: Dr. Andriy Danylenko

Session 6
2:15-3:15 p.m.

Interpreting Anxiety through Theatre – Bianco Room
Moderator: Prof. Ion Cosmin Chivu

Anxiety, An Epidemic: Through the Lens of Social Media

Holly Wright

Hannah Doyon

Abigail Gumper

Sarah Hurley

Gabriella Papa

Tamar Rubin

Faculty Sponsor: Prof. Ion Cosmin Chivu

Session 7
2:15-3:15 p.m.

Topics in Immigration – Room E325
Moderator: Prof. Mark L. Weinstock

Factors Affecting American Perception of the Economic Impact of Immigration
Mariana Villada

Faculty Sponsors: Prof. Kier F. Hanratty and Dr. Anna Shostya

The Effect of the Deferred Action for Childhood Arrivals (DACA) Program on Native-Born Citizens' Unemployment Rates

Alisha Phelan; Faculty Sponsor: Dr. Gregory Colman

The Effect of Citizenship Status on Technology Sector Incomes

Katherine Burt; Faculty Sponsor: Prof. Sam Baruch

Session 8
2:15-3:15 p.m.

Topics in Business and Finance – Room E324
Moderators: Dr. Gregory Colman and Prof. Sam Baruch

The Effects of the Financial Crisis on Credit Seeking and Debt
Klejdja Qosja; Faculty Sponsor: Dr. Gregory Colman

Factors affecting Ethereum's change in price

Joshua Kaufman; Faculty Sponsor: Prof. Sam Baruch

The Effect of Cast Diversity on Ratings Success in Primetime Broadcast Television

Liz Corbett; Faculty Sponsor: Dr. Anna Shostya

Diversity Behind the Screens: Does Diversity in Writers and Directors Affect Viewership Ratings?

Victoria Budden; Faculty Sponsor: Dr. Gregory Colman

Session 9
2:15-3:15 p.m.

Issues in International Economics – Room E323
Moderators: Dr. Anna Shostya and Prof. Kier F. Hanratty

The Effect of International Monetary Fund Loans on Economic Growth: 1990-2016

Chelsea Ruda

Faculty Sponsors: Dr. Gregory Colman and Dr. Anna Shostya

Socio-Economic Status of Women and National Income: An Analysis of 145 Countries

Meghan Seeberger; Faculty Sponsor: Dr. Anna Shostya

The Effect of English Proficiency on Gross National Income Per Capita

Amalie Slungaard; Faculty Sponsor: Prof. Kier F. Hanratty

Second Concurrent Afternoon Panel Sessions – 3:30-4:30 p.m.

Session 10 **People on the Move: How Students, their Families, and Friends
3:30-4:30 p.m.** **Experience Globalization – Room E327**
Moderator: Dr. Judith Pajo

The Impacts and Perceptions of Globalization Through The Lens of Technology
Holly Thayer; Faculty Sponsor: Dr. Judith Pajo

Globalizing Money and Migration: Impacts on the World
Jared Chrissley; Faculty Sponsor: Dr. Judith Pajo

*How Globalization keeps the World in Motion: The Accelerating Movement of
People around the World*
Fabia Gunkel; Faculty Sponsor: Dr. Judith Pajo

Session 11 **Philosophical Analysis – Room E317**
3:30-4:30 p.m. **Moderators: Dr. Daniel Barber and Prof. Bureen Ruffin**

Capital as Ontological Difference: On Deleuzo-Guattarian Marxism
Christian Halstead; Faculty Sponsor: Dr. Daniel Barber

“Life Sucks”: Exploring Thought and the Deeper Self
Nicoletta Kern; Faculty Sponsor: Prof. Bureen Ruffin

Session 12 **Chemical Analyses, and Biology and the Environment in a Costa
3:30-4:30 p.m.** **Rican Rain Forest – Room E326**
Moderator: Dr. Sergey V. Kazakov and Dr. William Eaton

*Microscopic Probing of Microgels, Liposomes, and Lipobeads Under High
Vacuum*
Sarah Rahni; Faculty Sponsor: Dr. Sergey V. Kazakov

*“Thermophilic” polymer networks: Optimization of poly(acrylamide-co-
acrylonitrile) hydrogel synthesis to provide a larger swelling ability for use as
medicine delivery system*
Cesar Ramirez; Faculty Sponsor: Dr. Sergey V. Kazakov

*Bacterial Abundance and Nutrient Composition in a Tornado Stricken Region
of the Northern Costa Rican Rain Forest*
Elliana Gianacopoulos; Faculty Sponsor: Dr. William D. Eaton

Session 13
3:30-4:30 p.m.

Historical Analyses: Race in American History and North Korea's Nuclear Crisis – Room E316

Moderators: Dr. Daniel J. Greenberg and Dr. Joseph Tse-Hei Lee

America's Little Brown Brother Returns a Hero: The Changing Image of Filipinos and Filipino-Americans in the USA, 1924-1960

Joshua Balasa; Faculty Sponsor: Dr. Daniel J. Greenberg

The Role of African-American Combatants During the American Revolution

Lounette Richards; Faculty Sponsor: Dr. Daniel J. Greenberg

A Historical Analysis for a Present-Day Conflict: Key Historical Moments of North Korea's Nuclear Crisis

Elizabeth Powell; Faculty Sponsor: Dr. Joseph Tse-Hei Lee

Session 14
3:30-4:30 p.m.

Studies in Russian and American Cinema – Room E306

Moderators: Dr. Andriy Danylenko, Dr. Ruth D. Johnston, and Dr. Rebecca E. Martin

Fear of Encirclement in Russian Cinema from Eisenstein to Mikhalkov

Kyle Amadeo; Faculty Sponsor: Dr. Andriy Danylenko

American Psycho: Consumption of Identity

Naomi Rhoa; Faculty Sponsor: Dr. Ruth D. Johnston

Hitchcock's Perfect Woman

Sven Latinovic; Faculty Sponsor: Dr. Rebecca E. Martin

Session 15
3:30-4:30 p.m.

Artistic Perspectives: Exploring Anxiety through Painting and Fiction; Curating a Photographic Archive – Room E305

Moderators: Prof. Barbara Friedman and Prof. Roger Sayre

The Favor

Juliet Mueller; Faculty Sponsor: Dr. Helene Levine-Keating

Anxiety and Anatomy

Cassandra Balado; Faculty Sponsor: Prof. Barbara A. Friedman

The Creation of the James Moninger Archive

Robert Dass; Faculty Sponsor: Prof. Roger Sayre

Session 16 **Issues in Crime, Terrorism, and Disasters – Room E325**
3:30-4:30 p.m. **Moderator: Prof. Mark L. Weinstock**

*The Effect Terrorism and Refugee Populations Have on Western European
Tourism Revenue*

Ivan Cody and Nicholas McVeigh
Faculty Sponsor: Prof. Mark L. Weinstock

Factors Affecting U.S. Crime Rates

Meltem Sultan Ekici; Faculty Sponsor: Dr. Gregory Colman

Session 17 **Women, Wages, Marriage, and Well Being – Room E324**
3:30-4:30 p.m. **Moderator: Dr. Gregory Colman**

The Impact of Marrying Age on Hourly Wages

Gregory Coleman; Faculty Sponsor: Dr. Gregory Colman

*The Effect of Affordable Care Act's Medicaid Expansion on the Subjective Well-
being of the Population*

Sheona Ahuja; Faculty Sponsor: Dr. Gregory Colman

Session 18 **Happiness, Balancing Your Life, and Disaster – Room E323**
3:30-4:30 p.m. **Moderator: Dr. Anna Shostya**

The Impact of Remittances on Educational Attainment

Tahiya Begum; Faculty Sponsor: Dr. Gregory Colman

Measuring the Wage Gap between Male and Female Economics Majors

Amanda Barone; Faculty Sponsor: Dr. Anna Shostya

*The Pursuit of Happiness: How time spent during the day effects ones
subjective happiness*

Marina Testani; Faculty Sponsor: Dr. Gregory Colman

4:45-5:30 p.m. **Reception and Awards Ceremony – Bianco Room**
Presiding, Dr. Maria T. Iacullo-Bird
Assistant Dean, Dyson College of Arts and Sciences

ANNOUNCEMENTS AND UPCOMING EVENTS

**The Dyson Society of Fellows Annual Initiation Ceremony
will be held the evening of Thursday, April 26th, 2018
Pace University, New York Campus**

Transactions – Call for Papers

Full-length research papers/artistic projects submitted to the 2018 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 30th, 2018

**Society of Fellows 2018 Annual Weekend Seminar
October 12-14, 2018, Warwick, New York**

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 work 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 Fellows sponsor 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.