

# SENIOR SYMPOSIUM

April 19, 2019

Warren Hunting Smith Library and Melly Academic Center

## SCHEDULE OF PANEL PRESENTATIONS

Sponsored by the  
Center for Teaching and Learning



HOBART AND WILLIAM SMITH COLLEGES



# SENIOR SYMPOSIUM

Throughout this eleventh annual day of presentations by Hobart and William Smith seniors and Masters of Arts in Teaching students, we honor the best traditions of a liberal arts education — taking academics outside the classroom, giving individual academic passions a broad audience and exchanging ideas across the HWS community. As you will see, many Senior Symposium panels connect students' work across disciplines, sites and insights in a way that highlights the HWS commitment to interdisciplinary study.

We invite you to engage today with our panels of students in this exciting synthesis of their college work. Come explore connections among eSports, the 1936 Olympics, baseball, Arthur Ashe (“Ways of Winning” panel at 8 a.m.); among short fictions, trombones, enzyme kinetics and fossil preservation (“Composition and Concentration” panel at 11:15 a.m.); or among the role of student newspapers, democracy, species tree reconstruction and transitional justice (“Evolution” panel at 4:05 p.m.).

*Please note that panel presenters are listed alphabetically, not necessarily the order in which the students will present.*

**8-8:55 a.m., Geneva Room**

**Impact of Childhood** (Moderator: *Christine de Denus P'22, Associate Professor of Chemistry*)

**Bange, Jacqueline**      **Different, Not Deficient: Misrecognized Language Skills of Lower-Class Youth**

Professor of Sociology H. Wesley Perkins

**Banta, Sarah**  
**Le, Kristen**      **IPARTheory and Future Well-Being in Guatemala**

Associate Professor of Psychology Brien Ashdown

**Gorelick, Molly**      **The Benefits and Challenges of Dual-Immersion Programs within Bilingual Education**

Assistant Professor of Education Diana Baker

**8-8:55 a.m., Learning Studio 1**

**New Models** (Moderator: *David Mapstone '93, P'21, Assistant Dean of Hobart College*)

**Cantral, Lillian**      **Redesigning Food Systems**

Professor of Sociology Jack Harris

**Ferrier, Alden**      **Visualization and Synthesis**

Professor of Chemistry Erin Pelkey

**Hayden, Donovan**  
**Morris, Dylan**      **Lost in the Food Desert: Knowledge and Agency of Geneva Residents to Address Food Insecurity**

Professor of Sociology H. Wesley Perkins

**8-8:55 a.m., Sanford Room**

**Ways of Winning** (Moderator: *Leah Shafer, Associate Professor of Media and Society*)

**Hogan, Matthew**      **How Should the Fighting Game Community Grow and Change (or Not) in the Current eSports Era?**

Associate Professor of Media and Society Leah Shafer

Professor of English Anna Creadick

**Kennedy, Ned**      **Race, Media, Memory and the 1936 Berlin Olympics**

Assistant Professor of American Studies S. Ani Mukerji

**Marquet, Franklin**      **Quantitative Analysis and Valuation in Baseball**

Assistant Professor of Economics Warren Hamilton

**Reinharz, David**      **Navigating “No-Man’s-Land”: Arthur Ashe’s Use of Celebrity Status to Engage in Social Activism**

Assistant Professor of American Studies S. Ani Mukerji

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## 9:05-10 a.m., Learning Studio 1

**Taking Action** (*Moderator: Justin Rose, Assistant Professor of Political Science*)

Hughes, Olivia

### **A Proposed Attack on Sexual Assault: An Evaluation of Women's Participation in Prevention Efforts**

Assistant Professor of Political Science Justin Rose

Lasher, Caitlin

### **Action through "Marronage": How Does Everyday Resistance Imbue the Definition of Political Movement?**

Professor of Political Science Jodi Dean

McDaniels, Kahiya  
Scott, Saoirse

### **Homelessness and Social Isolation in Ontario County**

Professor of Sociology H. Wesley Perkins

## 9:05-10 a.m., Sanford Room

**Voices** (*Moderator: Erin Pelkey, Professor of Chemistry*)

Flood, Gerry

### **Antony, Brutus, and the Downfall of the Republic in *Julius Caesar***

Associate Professor of English Rob Carson

Kerai, Alex

### **Discovering and Making Films with a Liberal Arts Education**

Dean of Teaching, Learning and Assessment Susan Pliner

Matos, Jackeline

### **English Education Program in India**

Associate Professor of Anthropology Jason Rodriguez

Rutledge, Elijah

### **Voices from World War II and a Call to Resistance**

*Professor of Religious Studies Michael Dobkowski*

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## 10:10-11:05 a.m., Geneva Room

**Goals and Dreams** (*Moderator: Brien Ashdown, Associate Professor of Psychology*)

DiPhilippo, Angelina

### **Guatemalan Teenagers' Hopes and Dreams for the Future: A Qualitative Study of Goals and Characteristics for Future Selves**

Associate Professor of Psychology Brien Ashdown

Ireland, Erika

### **Exploring the Family Head Start Connection on Student Outcomes**

Associate Professor of Sociology Kendralin Freeman

Noe, Bryce

### **Accumulative Wave of Texture in "Dream Wave": Accumulation and Expectation**

Visiting Assistant Professor of Music Anna Fulton

**10:10-11:05 a.m., Learning Studio 1**

**Challenging Myths** (*Moderator: Ricky Price, Visiting Assistant Professor of Political Science*)

**Blow, Saedra**

**Hidden History: Navigating the Complexities of Ancient Transgender Narratives**

Visiting Assistant Professor of Africana Studies James McCorkle '76, P'20

**Howard, Katherine**

**Myth: Why Meaning Matters in Foreign Intervention Decision-Making**

Associate Professor of Religious Studies Richard Salter '86, P'15

**Rosen, Alexa**

**The Mammy in Media: The Liaison between Post Civil War Racism and Today**

Associate Professor of Media and Society Leah Shafer

**10:10-11:05 a.m., Sanford Room**

**Communities** (*Moderator: Christine de Denus P'22, Associate Professor of Chemistry*)

**Barwick, Megan**

**Living on the Wrong Side of the Tracks: The Divided Neighborhood That Followed New York City's High Line**

Assistant Professor of American Studies S. Ani Mukherji

**Camara, John**

**Ethnic Enclaves: Wage Premium or Wage Penalty for Second Generation Asian Americans**

Associate Professor of Economics Judith McKinney P'13

**Lacey, Madeline**

**Open Seats, Closed Doors: Open Choice Enrollment and Segregation in Fairfield County Schools**

Assistant Professor of American Studies S. Ani Mukherji

**Walters, Sarah**

**Confirming Community: Confirmation as a Community Building Practice in Secularized Lutheran Denmark**

Associate Professor of Religious Studies Richard Salter '86, P'15

**11:15 a.m.-12:10 p.m., Geneva Room**

**Composition and Concentration** (Moderator: *Charlie Temple, Professor of Education*)

**Barry, Rachael**                    **Microfossils from Chert Nodules of the Onondaga Limestone: An Example of Organic Fossil Preservation**  
Associate Professor of Geoscience David Kendrick

**Chung, Charmaine**            **Effects of Macromolecular Crowding on Enzyme Kinetics**  
Associate Professor of Chemistry Kristin Slade

**Kerai, Alex**                    **(The) Missing Piece(s): Collected Short Fiction**  
Associate Professor of English Melanie (Conroy-Goldman) Hamilton

**Noe, Bryce**                    **Rock 'n' Roll Trombone**  
Associate Professor of Music Mark Olivieri

**11:15 a.m.-12:10 p.m., Learning Studio 1**

**Juxtaposition** (Moderator: *Eric Klaus, Associate Professor of German Area Studies*)

**Fox, Matthew**                **Dubai: Neoliberal or Neopatrimonial?**  
Associate Professor of Political Science Vikash Yadav

**McKean, Meg**                **Sacredness and Similarity at Clonmacnoise and Newgrange**  
Associate Professor of Religious Studies Richard Salter '86, P'15

**Murphy, Penelope**        **A Tale of Two Ponds: Why Two Neighboring Ponds Behave Differently**  
Associate Professor of Biology Meghan Brown

**11:15 a.m.-12:10 p.m., Sanford Room**

**Optimization** (Moderator: *Lisa Kaenzig P'22, Dean of William Smith College*)

**Bistodeau, Brandon**        **Hypothetical Investment Banking Model**  
Assistant Professor of Economics Warren Hamilton

**Kline, Maeve  
Walters, Sarah**            **PLEN: William Smith Engaged in Policy and Mentorship**  
Dean of William Smith College Lisa Kaenzig P'22

**Webster, Nathan**            **The Synthesis and Optimization of Reactions Leading to PY-340-D**  
Professor of Chemistry Erin Pelkey

**12:20-1:30 p.m., Sanford Room**

**Well-Being** (Moderator: *Emily Fisher, Associate Professor of Psychology*)

**Burstein, Sarah**      **Facets of Mindfulness and Health Among a Predominantly Low-Income Community Sample**  
Associate Professor of Psychology Jamie Bodenlos

**Fowle, Adelaide**      **Illness, Experience, and Trust: Epistemic Injustice in the Healthcare System**  
Associate Professor of Philosophy Karen Frost-Arnold

**Mastrangelo, Cailey**      **Physical Trauma and Somatic Support for First Responders**  
Professor of Dance Donna Davenport

**Sanito, Alyssa**  
**Sindoni, Mara**  
**Tamblin, Mackenzie**      **Mindfulness and Health**  
Associate Professor of Psychology Julie Kingery

**12:20 - 1:30 p.m., Learning Studio 1**

**So What? Speaking to the Futures of Marginalized Fields**

(Moderators: *Michelle Martin-Baron, Assistant Professor of Women's Studies and Melissa Autumn White, Assistant Professor of LGBT Studies*)

**Caglioti, Gemma**  
**Cook, Madeline**  
**DiPaola, Cassidy**  
**Ferry, Sydney**  
**Minker, Julia**  
**Ngo, Amanda**      **Round Table Discussion**

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**1:55-2:50 p.m., Geneva Room**

**Sex, Drugs, and Rock 'n' Roll** (Moderator: *Chip Capraro, Associate Professor of Men's Studies*)

**Bruno, Michael**      **Cover Versions: *The Alabama Song***  
Visiting Assistant Professor of Music Anna Fulton

**Randall, Alvin**      **Characterizing Heliothine Orthologs of Genes Required for Antenna Formation and Sex Determination across Lepidoptera and Diptera Orders**  
Professor of Biology Kristy Kenyon

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**Sullivan, Liam**

**Navigating the Doors of Perception: Ayahuasca and the Guide**  
Associate Professor of Religious Studies Richard Salter '86, P'15

**1:55-2:50 p.m., Learning Studio 1**

**Learning through Experience** (Moderator: Scott MacPhail, Associate Director of Health Professions Counseling and Fellowship Advising)

**Blanchfield, Megan**

**Effects of Developing a Global Perspective and a Cultural Identity on Students' Social and Health Behaviors while Studying Abroad**  
Associate Professor of Psychology Brien Ashdown

**de Maillé, Mariana**

**How Biotechnology Is Harnessing Innovation to Develop New Medical Therapeutics: A Personal Experience**  
Professor of Biology Kristy Kenyon

**Jennings, Austin**

**Bringing Hell to Life: A Novice Director's Experience**  
Associate Professor of Theatre Heather May

**Okeke, Ifunanya**

**The Clinical Application of Dance as a Drug**  
Professor of Dance Donna Davenport

**1:55-2:50 p.m., Sanford Room**

**Finding the Balance** (Moderator: Nick Metz, Associate Professor of Geoscience)

**Dent, Sally**

**Detrimental to Childhood: An Analysis of Correlations between Kindergarten Children and GPACE Scores**  
Professor of Sociology H. Wesley Perkins

**McFadden, Marissa**

**A Fine Balance: Utilization of Protecting Groups to Synthesize 3,4-Bisindole-Furan-2-Ones**  
Professor of Chemistry Erin Pelkey

**Underwood, Sarah**

**Stop Fidgeting: A Research Study of On- vs. Off-Task Behavior**  
Professor of Dance Donna Davenport

**West, Stephen**

**Discourses of Islamic Religious Authority and the American Context**  
Associate Professor of Religious Studies Shalahudin Kafrawi P'20

**3-3:55 p.m., Geneva Room**

**Educational Impact** (Moderator: Alex Black, Assistant Professor of English)

**Harper, Joshua  
Karaul, Zachary**

**Relationship between Parental Educational Background and Children's Academic Success**

Professor of Sociology H. Wesley Perkins

**Mastrangelo, Cailey**

**Adolescent Sexual Education in the Highlands of Guatemala**

Associate Professor of Psychology Brien Ashdown

**Zhuo, Swellar**

**Breastfeeding and Children's Cognitive, Social and Emotional Development**

Professor of Sociology H. Wesley Perkins

**3-3:55 p.m., Learning Studio 1**

**Altering the Elements** (Moderator: Josh Newby, Assistant Professor of Chemistry)

**Bruno, Michael**

**To Buy a Fat Pig**

Associate Professor of Music Mark Olivieri

**Nguyen, Nhung**

**DNA Methylation Profiling of *Anthopleura Elegantissima* Using Nanopore Sequencing**

Professor of Environmental Studies John Halfman

**Okeke, Ifunanya**

**Does the Transcriptional Regulator Teashirt-2 Function in Development of the *Xenopus*(Frog) Retina?**

Professor of Biology Kristy Kenyon

**3-3:55 p.m., Sanford Room**

**FLX** (Moderator: Craig Talmage, Visiting Assistant Professor of Entrepreneurial Studies)

**Amejcor, Kely**

**Phytoplankton Dynamics in the Finger Lakes using a FluoroProbe and Fluorometer**

Professor of Environmental Studies John Halfman

Director of the Finger Lakes Institute Lisa Cleckner

**Englert, Molly  
Wiles, Sarah**

**Downtown Revitalization: Case Study of the Dove Block Project**

Professor of Sociology H. Wesley Perkins

**Goodwin, Gabriella**

**The Golden Age of the Finger Lakes in Danger? Climate Change and Other Environmental Impacts on Tourism**

Visiting Assistant Professor of Entrepreneurial Studies Craig Talmage

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Schweiter, Parke

**Threats to Ash Trees and the Future of the Understory at the Kashong Conservation Area**

Professor of Biology Elizabeth Newell

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**4:05-5 p.m., Learning Studio 1**

**Evolution** (Moderator: Joseph Rusinko, Associate Professor of Mathematics and Associate Dean for Faculty Development and Affairs)

**Blackwell-Orr, Janeya**

**Changing to Stay the Same: A Look into How State-Civil Society Relations Shape Transitional Justice**

Associate Professor of Political Science Stacey Philbrick Yadav

**Kerai, Alex**

**The Role of Student Newspapers in Engaging Discussion and Change**

Dean of Teaching, Learning and Assessment Susan Pliner

**Lu, Qingyi**

**Machine Learning for Phylogenomics: Improving Statistical Binning Techniques for Species Tree Reconstruction**

Associate Professor of Mathematics and Associate Dean for Faculty Development and Affairs Joseph Rusinko

**Perez, Sergio**

**True Democracy**

Professor of Philosophy Steven Lee

**4:05-5 p.m., Sanford Room**

**What Do We Know?** (Moderator: Nan Crystal Arens, Professor of Geoscience)

**Bistodeau, Brandon**

**The Naturalization of Profit-Maximizing Capitalism**

Professor of History Matt Kadane

**Hopton, Andrew**

**Who Really Knows: Why It's Important to Challenge Facts**

Associate Professor of Philosophy Greg Frost-Arnold

**Toupal, Jonas**

**Remote Sensing Mapping of Mercury Contamination in Vegetated Areas: The Case of Tarkwa, Ghana, Africa**

Professor of Geoscience Nan Crystal Arens



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