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Student Academic Showcase and Honors

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4-2018

## SASH: Student Academic Showcase and Honors 2018

Roger Williams University

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# Roger Williams University

## SASH 2018

### Student Academic Showcase and Honors

*A celebration of scholarship and creative activities for undergraduate and graduate students.*

*The mission of SASH is to provide an opportunity for undergraduate and graduate students to share their academic and creative activities with the RWU community. SASH represents our collective intellectual accomplishments as a university during the academic year.*



Université al Quaraouiine  
The World's Oldest University, Fes, Morocco

**Monday, April 16- Friday April 20 — SAHP Showcase**  
Showcase of Continuous Exhibits and Displays (SAAHP)

**Monday, April 16 — Student Multimodal Display**  
1:30pm — 3:00 “Applying Innovative Thinking to Criminal Justice Practices” (Mary Tefft White)

**Tuesday, April 17 and Wednesday, April 18 — Student Research Spotlight — Posters**  
8:30am-5:00pm — GHH Atrium and Lobby

**Tuesday April 17 — Keynote Address — 3:30pm — 4:45pm — Mary Tefft White**

### The Brain Trap

Ame Lambert, Ph.D., Chief Diversity Officer, Roger Williams University

Ame Lambert joined RWU in 2017 as the University's first Chief Diversity Officer. Most recently, she served seven years, including as the inaugural Chief Diversity Officer. Previously, she served a similar role at Champlain College, in Burlington, VT where she was responsible for defining and driving diversity and inclusion efforts, and helped lead the creation of a comprehensive infrastructure that included a strategic plan, innovative educational and cultural programming, and new partnerships across campus that strengthened institutional-wide practices and policies. Ame will lead similar efforts toward improving diversity and inclusion at the university.



*The Sixth Annual SASH is sponsored by the University Honors Program, Faculty Senate, and the Provost's Office ([www.rwu.edu/go/sash](http://www.rwu.edu/go/sash))*

**Wednesday, April 18 — Honors Academic Showcase**  
2:00pm-7:00pm— CAS Classrooms

**Wednesday April 18 — Paper Presentations**  
2:00pm — 7:00pm — Concurrent Sessions (CAS)

## SASH 2018 — Student Academic Showcase and Honors

### Monday April 16 — Multimodal Presentation — 10:30am - 12:00pm — Mary Tefft White

“Television Advertising Project” — Geraldo Matos, Gabelli School of Business

Grace Alpert	Lily Englund	Nicholas Malone
Ross Andrei	Christy Gordon	Carolyn O'Hara
Nicholas Barbaria	Stephen Gross	Julia Palardy
Amanda Calderon	Luke Herritt	Zoe Siegel
Jonathan Chow	Matthew Holman	Harper Smith
Gabrielle Ciarleglio	Meghan Huston	Meghan Smith
Makayla D'urso	Jillian Lewandoski	August Solone
Christina Driscoll	Cacey Longley	Jaime Warlich
Tiffany Eaton	Lindsey Lopez	Emily Warrington
		Katherine Worth

### Monday April 16 — Multimodal Presentation — 1:30pm — 3:00pm — Mary Tefft White

“Applying Innovative Thinking to Criminal Justice Practices” — Julie Coon, School of Justice Studies

- Nicholas Amodio, “Conflicting Problems between Mental Health and Law Enforcement”
- Elizabeth Anderson, “The School to Prison Pipeline”
- Meghan Augur, “Arm Law Enforcement Officers with Naloxone (Narcan)”
- Matthew Baltz, “Sexual Assault in the Military”
- William Carlson, “Bicycle Patrol”
- Brendan Chaisson, “Examining the Role of Contemporary School Resource Officers”
- Timothy Coffey, “Mental Illness and Solitary Confinement in RI Prisons
- Lindsay D'Alfonso, “Juvenile Detention Centers”
- Karissa Ekwall, “Domestic Violence”
- Gabrielle Friedman, “Militarization of Police”
- Kylie Grenier, “Gun Violence and School Systems”
- Michael Hachey, “The Opioid Crisis in Rhode Island”
- Kristin Hicks, “Police and Community Relations”
- Sean Joyce, “Elder Abuse”
- Tyler Longley, “Mapping Gang Territories to Identify Youth Gang Involved Crime Hotspots”
- John McCarthy, “The Public’s Perception of Police”
- Gian Micheletti, “Cell Phone Use and Texting While Driving Laws”
- Paige Murphy, “Reintegration and Reentry: Preparing Inmates for Success”
- John Nelson, “Game Wardens role in Preserving our Fisheries”
- Wyatt Nolan, “Prisoner Re-entry into Society”
- Samuel Nusbaum, “Juvenile Justice Reform”
- Natalie O'Donovan, “Drunk Driving Among Young Adults”
- Ryan Riecke, “Addressing the Problem of Prison Overcrowding”
- Amanda Rose, “Criminalizing the Mind to Incarcerate the Body: Offenders with Mental Illnesses.”
- Lauren Schanz, “The Treatment of Sexual Misconduct on College/University Campuses in the U.S.”
- Charles Swenson, “Effectiveness of Police Dogs”
- Courtney Teasdale, “Mental Illness and the Mentally Ill in Prisons”
- Amber Thurlow, “Interrogation and False Confessions”
- Giana Vellei, “Sex Offenders and Rehabilitation”
- John Yusza, “Police Use of Force”



## SASH 2018 — Student Academic Showcase and Honors

Tuesday April 17 — Student Research Posters — 10:00am - 12:00pm — GHH Atrium and Lobby		
Student(s)	Title	Faculty Sponsor
Brien Alvino Brent Goldman Charles Moyer	“What should U.S. Monetary Policy Be?”	Kula and Panday
Teagan Dunn Kyle Farabaugh Taylor Owen Andrew Wager	“Bicycle Adapter for Persons with an Above Knee Prosthetic Leg”	Palm
Anya Dussault	“Nutrition and Food Insecurity Among Residents of Homeless Shelters”	Patch
Eliza Hilyer	“Student Anxiety and Available Resources”	Patch
Zachary Sayed Matthew Seferian Kevin Schwartz	“Algorithms in Motion”	Ruocco
Kiserian Jackson	“Correlation of Oyster Disease with <i>Vibrio Parahaesmolyticus</i> Accumulation in Oyster Tissue”	Smolowitz
Allison Surian	“Three Years of Disease Monitoring Data of <i>Crassostrea Virginica</i> (Eastern Oyster) Populations in Rhode Island and Surrounding States and Implications for Aquaculture and a Changing Environment”	Smolowitz
Hiba Wakidi	“Comparative study aimed at improving dye-sensitized solar cells”	Timpson
Brooke Breton	“A Look Outside the Classroom: The Impact of Out-of-School Factors on Cognitive Development and Academic Achievement in Childhood Poverty”	Winfield
Ryan Geraghty	“Immigration in the United States: Is It affecting Our Education System”	Winfield
Madeline Grella	“Connecting with Compassion: Importance of Child Life Specialists”	Winfield
Meghan Handy	“Language: The Innate Ability That Connects Us All”	Winfield
Katherine Johnson	“Holistic Care: Shifting the Locus of Control”	Winfield
Paul Marchese	“Title IX: Is it Effective?”	Winfield
Jiawen Tang	“How Culture, Psychology, and History Influence Political Changes in China- Moving from the One-Child Policy to the Two-Child Policy”	Winfield

## SASH 2018 — Student Academic Showcase and Honors

Tuesday April 17 — Student Research Posters — 1:00 – 3:00pm — GHH Atrium and Lobby		
Student(s)	Title	Faculty Sponsor
Christine Peterson	“South Korea: Growth Through K-Pop”	Adams
Matthew Clark Tyler Hrycak Dylan Mascari Scott MacGovern Nathan Wilson	“Floating Offshore Wind Turbine Platform”	Benitz
Jordan Brown	“Amphiprion Ocellaris: A Model Species for Thiocyanate Detection”	Breen
Hannah Nolte	“Determining the Half Life of Thiocyanate in <i>Amphiprion ocellaris</i> after Potassium Cyanide Exposure”	Breen
Sarah Boswell Ruby Cortez Angela Degenova Emily Frank Jenna Hampe Abigail Killeen Haley Lowney Samantha Painter Joanna Skora Taylor Stewart	“Mentoring Mind + Body with Girls Inc., of Taunton”	D’Amore
Deanna Rackie Kim Kardas	“Field XRF Monitoring of Heavy Metal Cd <sup>2+</sup> , Pb <sup>2+</sup> and Zn <sup>2+</sup> Immobilization by Fragmented and Powdered Shell Beds from Contaminated Waters”	O’Shea
Skylar Roberts	“Determination of the Location of <i>Vibrio Parahaemolyticus</i> in Oyster Tissues”	Smolowitz
Chantelle Montminy Mildred Rose Poteau Meghan Rodenhiser Olivia Ryan	Stay Break - Community Engagement	Spritz
Samuel Munhall Evan Przyborowski Tyler Roberts James Westphalen	Stay Break - Community Engagement	Spritz
Stephanie Brooks Lorena Cambizaca Emerson Mulhern	“Profit and Policy Model: U.S. Steel Tariffs”	Warnapala
Natalie Danek Kaia Lindberg Michael Paulsen	“Modeling the Effects of Asset Allocation on Portfolio Value”	Warnapala
Cassidy Quinn Taylor Nappi Michael Mischke	“Population Dynamic of Unsophisticated Species”	Warnapala

## SASH 2018 — Student Academic Showcase and Honors

Wednesday April 18 — Student Research Posters — 10:00am - 12:00pm — GHH Atrium and Lobby		
Student(s)	Title	Faculty Sponsor
Sarah Agnalt Andrew DelSanto Garrett Helms Anthony Trant Jennica Srey	“Wearable Air Pollution Sensors that Would Crowd Source Hot Spot Data”	Jeznach
Sophia Kelly	“Role of Photorespiration in Portulacaria Afra”	Guralnick
Nick Gaudio Kasey Provost Justin Prunier Jared Ramos	“The Structural Evaluation and Strength Capacity Analysis of Fort Taber”	Martino
Kelsey Letson	“Rapid SPE in Field HPLC Detection of Complexed Thiocyanate by Aqueous Soluble Metalloporphyrins from Saline Waters”	O’Shea
Meagan Hackey	“Synthesis of substituted pyrazoles, pyrazolines, and pyrazolidines and alcohol dehydrogenase (ADH) inhibition”	Rossi
Hien Ngo	“Numerical solutions of the Radiosity Equation (Brightness) via the Galerkin Method:Mars Project”	Warnapala
Kangji Chen	“Evolution of MicroRNA Diversity and Regulation Statistical Modelling”	Warnapala
Kangji Chen Jess Mesina, Hien Ngo	“Apple Stock Market with Cubic Spline Interpolation”	Warnapala
Cole Foster	“Radiative Transfer on Mars via the Wiener-Hopf Integral Equation Model”	Warnapala
Rebecca Gow Sean Feeney Tyler Simmons	“Estimating Life Expectancy using a Lagrange Interpolation Polynomial”	Warnapala
Gibson Leavitt Jacob Johnson Matthew D’Amico	“Approximating Home Runs Hit for major League Baseball Using Cubic Spline Interpolation Methods”	Warnapala
Madeline Neuberger Ryan Pierce Abigail Small	“Cubic Spline Interpolation for approximating Teeth and the Use of Orthodontic Braces”	Warnapala
Tyler Simmons MacKenzie Webber	“Statistical Analysis of RI BRFSS Data: 2015 & 2016”	Warnapala



## SASH 2018 — Student Academic Showcase and Honors

Wednesday April 18 — Student Research Posters — 1:00pm - 3:00pm — GHH Atrium and Lobby		
Student(s)	Title	Faculty Sponsor
Abbie MacCallum Amy Urso Kate Nahatis Eric Miller	Scholars at Risk: Tohti Talks	Braver
Gabrielle Baillargeon Mikala Bartley Daniel Perkins Rosalie Ramierz Colin Riley Pamela Rochette Benjamin Scheff Phoebe Thaler	Navajo Nation: Service Learning and Cultural Immersion	Carrington-Farmer and Soukup
Madison Guitard	“An Interdisciplinary Approach to Computational Neurostimulation”	Dougherty
Abigail Small	“Quantifying Electromagnetic Properties of Applied Electric Fields on Neural Tissues”	Dougherty
Makayla D’Urso Brittany Watson Samantha Bilinsky Carolyn Kelley	“Distribution Network and Customer Penetration: A Case Analysis of QVC Operation”	Farhadi & Brickley
Natalie Gambrel Colby Masse	“Sediment Core Depth Profile Enhanced Degradation of CFC’s by Biotic and Abiotic In-Situ Simulation”	O’Shea
Colby Masse Natalie Gambrel	“Characterization of In-Situ Marine Core Sediment and Pore Water Degradation”	O’Shea
Alexia Belzos		Shelton
Kathrine Dumore		Shelton
Amy Urso		Shelton
Danielle Aquillo	“When the Higher Education Bubble Bursts: Will Guidance Counseling Programs Stay Afloat?”	Winfield
Haley Delgreco	“Are Children Playing?: A Look at Play and Its Impact on Environmental Education”	Winfield
Margaret Foster	“The Age of Colorblindness: An Analysis of Contemporary Racism in Public Schools”	Winfield
Taylor Hanes	“Impact of Prolonged Hospital Stays on School Aged Children and How to Help”	Winfield
Johnna Lourenco	“The impact of Interpersonal Relationships on the Medical Field, Workplace, and Education: An Analysis of Trust, Communication, Culture, and Social Media”	Winfield
Justin MacAluso	“Opioid Life is No Life”	Winfield
Aimee Slatkavitz	“Being Half Black”	Winfield
Abigaill Sousa	“How Our Schools Become Prisons”	Winfield

# SASH 2018 — Student Academic Showcase and Honors

## Wednesday, April 18 – Paper Presentation Sessions

CAS 220

CAS 221

### Paper Presentation Group 1

**Rachel Gordon**, “Nazi Resistance in Recent Films”

**Abbie MacCallum**, “Front Page News Coverage Across Decades”

**Emma Gouldin**, “An investigation of the Resistance Movement on Twitter”

Faculty Sponsor: Amiee Shelton

### Paper Presentation Group 2

**Rebecca Millard**, “Femicide in Central and Latin America: Minimizing the “Crime of Passion” Defense”

**Maria Caceres**, “Ethnic Geopolitics of Brazil and the Issues of New Neocolonialism”

**Garrett McNeill**, “Más que el Clásico: How Football has Helped to Shape the Political Battle between Catalonia and the Central Spanish Government”

**Kaitlyn Johnson**, “‘Je Suis Charlie’: Exploring Secularism, Immigration, and Identity, as Factors of Radicalism in France”

Faculty Sponsor: Dorian Lee Jackson

### Paper Presentation Group 3

**Leah Kogan**, “NFL and the Kneeling Issue: An Experiment Design”

**Jenna Kominski**, “Beauty Vlogging: Credibility, Race, and Impact”

**Courtney White**, “Music Across Decades”

**Jackie Zerio**, “Ambient Marketing Impact”

Faculty Sponsor: Amiee Shelton

2:00pm – 2:55pm

3:00pm – 3:55pm



Wednesday, April 18 – Honors Concurrent Sessions

Room CAS 122

Room CAS 123

Room CAS 125

“Honors Senior Capstone” Group 1

“Honors Senior Capstone” Group 2

“Honors Senior Capstone” Group 3

2:15pm – 2:55pm

2:00pm – **Brian Fitzsimons**, “The Barriers Preventing Corner Stores from Providing Healthy Food Options”

2:00pm – **Bret Mattel**, “Management Styles Within a Not-For-Profit”

2:00pm – **Andrew DelSanto**, “Wearable Air Pollution Sensor”

2:15pm – **Dorothy Wilkinson**, “Paved Paradise and Pushed to Depression? The Role of Nature upon Anxiety and Depression in *The Bell Jar*”

2:15pm – **Brittany Fulgione**, “Water, Water Everywhere, Yet Not a Drop is Free: Neoliberal Effects on Water Poverty in Latin America and Corresponding Humanitarian and Environmental Impacts”

2:15pm – **Kaelyn Mostafa**, “A Sociological Analysis of the Islamic Feminist Movement”

2:30pm – **Cagnie Antczak**, “The Effects of Victim Cooperation, Severity of Assault, and Cost of Cooperation on Bystander Intervention in Sexual Assault Scenarios”

2:30pm – **Ryan Fontaine**, “The Use of Anthropological Perspectives in Understanding Complementary and Alternative Medicine in Western Culture”

2:30pm – **Jacquelyn Voghel**, “An Absence of Sisterhood: Feminism Without Movement and Esther Greenwood’s Descent into Despair in Sylvia Plath’s *The Bell Jar*”

Faculty Moderators: Laura Turner, Madge Thombs, Becky Spritz

Faculty Moderators: Susan Bosco, Adam Braver, Jeremy Campbell

Faculty Moderators: Ben McPheron, Robert Jacobson, Bill Palm

“Honors Senior Capstone” Group 4

“Honors Senior Capstone” Group 5

“Honors Senior Capstone” Group 6

3:00pm – 3:55pm

3:00pm – **Courtney Dell’Agnese**, “The Importance of Fiction and Why We Should Be Talking About It”

3:00pm – **Lianna Gerardi**, “La Violencia Doméstica y las Motivaciones de las Mujeres para Buscar Ayuda en Comunidades Latinas dentro de los Estados Unidos”

3:00pm – **Rebecca Proulx**, “Rubbing the Flies Out of Our Eyes: Grasping the Elusive Postmodern War Narrative”

3:15pm – **Jordan Brown**, “A. Ocellaris: A Model Species for Thiocyanate Dete”

3:15 pm – **Emma Guillot**, “Making Strides Through Therapeutic Riding—An Approach to Community Driven Design”

3:15pm – **Kasey Provost**, “Structural Analysis and Assessment of Historic in the Scholarly and Public Spheres”

3:30pm – **Christopher Burke**, “Diversity in Comic Book Films”

3:30pm – **Kaitlin Garcia**, “How Did We Ever Get into This Strange Little dream World:” Conforming to the Nuclear Family Model in Yates’s *Revolutionary Road* and Plath’s *The Bell Jar*”

3:30pm – **Julia Ricklin**, “Urban and Regional Planning: Unification of Arts and Culture on Broad Street”

Faculty Moderators: Madge Thombs, Adam Braver, Becky Spritz

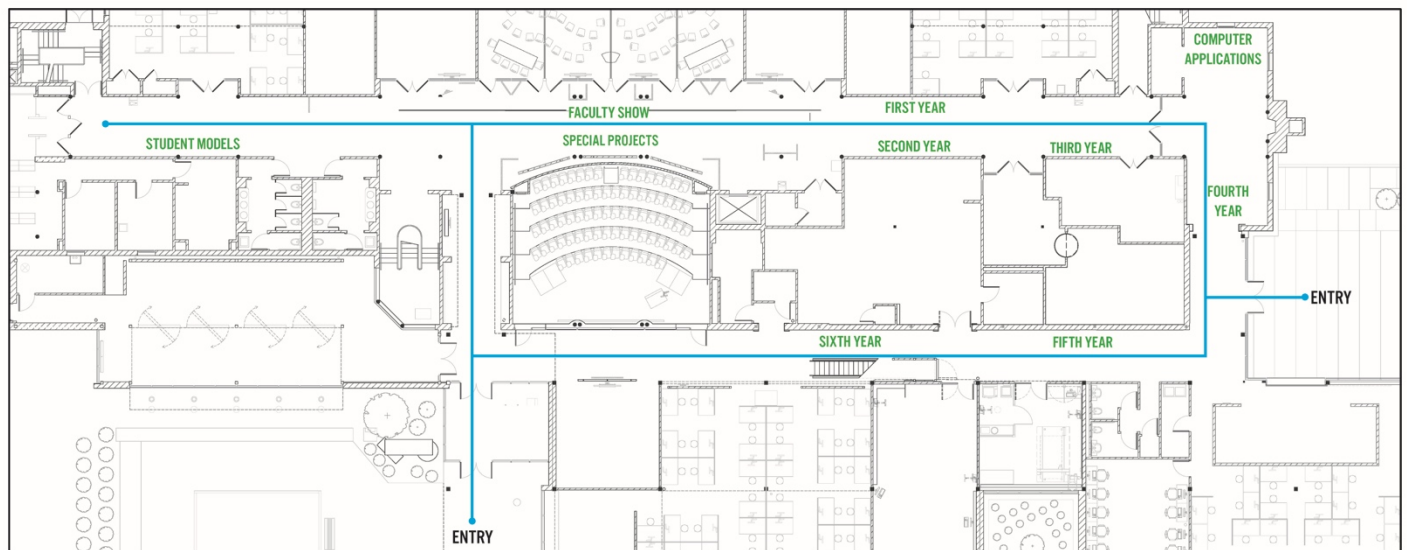
Faculty Moderators: Laura Turner, Susan Bosco, Jeremy Campbell

Faculty Moderators: Ben McPheron, Bill Palm

## SASH 2018 — Student Academic Showcase and Honors

### Wednesday, April 18 – Honors Concurrent Sessions

	Room CAS 122	Room CAS 123	Room CAS 125
<b>4:00pm – 4:55pm</b>	<b>“Honors Senior Capstone” Group 7</b>  4:00pm – <b>Katherine Carpenter</b> , “Connecting Inner City Students with the Environment Through Design”  4:15pm – <b>Xante Chalwell</b> , “Crafting the Race of a Nation: The Co-option of the Term Indio as a Fictional Identity in the Dominican Republic”  4:30pm – <b>Janel DeCurtis</b> , “The Court Room as a Utopian Space: Minimizing the Effect of Forensic Expert Misleading Testimony on the Jury’s Ability to Competently and Justly Decide a Defendant’s Innocence or Guilt”  Faculty Moderators: Anne Proctor, Becky Spritz	<b>“Honors Senior Capstone” Group 8</b>  4:00pm – <b>Antonella Maffettone</b> , “Fundamental and Sentiment Factors Affecting Bond Markets”  4:15pm – <b>Bri Jackson</b> , “Impact of Social Support, Resilience, and Coping on Discrimination and Psychological Well-Being for an LGB Sample”  4:30pm – <b>Claire Jeter</b> , “Impact and Growth of Animal Sanctuaries and Shelters in US”  Faculty Moderators: Dahliani Reynolds, Jeremy Campbell	<b>“Honors Senior Capstone” Group 9</b>  4:00pm – <b>Olivia Smith</b> , “Private vs. Public Funded Health Care: An Analysis of the Healthcare Systems of the United States, Canada, Germany, and the United Kingdom”  4:15pm – <b>Anya Dussault</b> , “Nutrition and Food Insecurity Among Residents of Homeless Shelters”  4:30pm – <b>Sierra Valerio</b> , “NIMBY: The Realism Behind Labeling Sex Offenders”  Faculty Moderators: Robert Dermody, Robert Cole, Bill Palm
<b>5:00pm – 5:55pm</b>	<b>“Honors Senior Capstone” Group 10</b>  5:00pm – <b>Rachel Wisner</b> , “Fixed Asset Internship”  5:15pm – <b>Meagan Hackey</b> , “Synthesis and Kinetic Activity Analysis of Substituted Pyrazole, Pyrazoline, and Pyrazolidine Alcohol Dehydrogenase Inhibitors”  5:30pm – <b>Sarah Agnalt</b> , “Wearable Air Pollution Sensors that Would Crowd Source Pollution Hot Spot Data”  Faculty Moderators: Dahliani Reynolds, Robert Cole, Becky Spritz	<b>“Honors Senior Capstone” Group 11</b>  5:00pm – <b>Caroline Keane</b> , “Making VITA Last”  5:15pm – <b>Taylor Hughes</b> , “Green for Green: The Economic and Ecological Benefits of Tree Programs in Bristol, RI”  5:30pm – <b>Mikayla Pasco</b> , “A Study of Movement Symbolism”  Faculty Moderators: Anne Proctor, Robert Dermody, Jeremy Campbell	<b>“Honors Senior Capstone” Group 12</b>  5:00pm – <b>Ava Mastostefano</b> , “Development of Diagnostic PCR Assay to Detect Apicomplexan Parasite in Atlantic Sea Scallops (Placopecten Magellanicus) with Gray Meat Disease”  5:15pm – <b>Kyle Tronerud</b> , “Water Distribution System Feasibility Study and Design for Touisset Point”  5:30pm – <b>Meagan O’Rourke</b> , “Homeland Security in America’s Hometown: Addressing Physical and Cyber Terrorism in Plymouth, Massachusetts and Discussing Short Term and Long Term Cyber Priorities”  5:45pm – <b>Jacob Brostuen</b> , “Rising Tide: On Nationalism Situated in the Scholarly and Public Sphere”  Faculty Moderators: Robert Jacobson, Bill Palm



STUDENT ACADEMIC SHOWCASE AND HONORS (SASH) EXHIBITION MAP

School of Architecture, Art and Historic Preservation | SAAHP Atrium Gallery

### Other Related Events during SASH Week

Wednesday, April 20, 11:00am — 2:00pm, EarthFest 2018 in celebration of Earth Day, D'Angelo Common, in front of the Library.

### SASH 2018 Planning

Joseph W. Roberts, SASH 2018 Planning Coordinator and Chair, University Life Committee Faculty Senate Department of Politics and International Relations

### Thank You to the following for their assistance with SASH 2018

Lori Barry, Provost's Office  
Cynthia Chapell, Administrative Assistant, SHAE  
Dave Kemmy, Conferences  
Jim Lemire, SSNS  
Rena Pillar-Thurston, Honors

Office of the President  
University Life Committee of the Faculty Senate  
Participating Academic Programs  
Conferences

*The Student Academic Showcase and Honors program is organized by the University Life Committee of the Faculty Senate and the 2018 SASH Committee. It is sponsored by the Office of the Provost for Academic Affairs and the University Honors Program. All events are free and open to the public.*