



Lindenwood University

Student Research Conference **2018**

Wednesday, April 18, 2018
12-7:30 p.m.

Anheuser-Busch Leadership Room
Spellmann Center

Posters, Presentations, and Projects by Undergraduate and
Graduate Students from Every Academic School on Both
Campuses

***Research Projects • Scientific Studies or Experiments • Business Plans •
Nonprofit Development Projects • Artwork and Fashion Designs •
Poetry and Fiction Readings • Video Production Projects***

Refreshments will be available.



facebook.com/LindenwoodSRC

LINDENWOOD
LIKE NO OTHER

Schedule at a Glance

11:30	Poster Set-up and Participant Registration begins	AB Leadership Room (4 th Floor)
12:00pm	Participant registration	AB Leadership Room (4 th Floor)
1:30	Judges Check-In	AB Leadership Room (4 th Floor)
2:00-3:20pm	Concurrent Session 1*	Spellmann 3015, 3090, 3115, 4105, AB Leadership Room
3:30-4:50 p.m.	Concurrent Session 2*	Spellmann 3020, 3085, 3105, 3115, 3170, AB Leadership Room
5:00-6:20 p.m.	Concurrent Session 3*	Spellmann 3020, 3085, 3090, 4105, 4185, 4190, AB Leadership Room
6:30-7:00 p.m.	Awards Ceremony	Anheuser-Busch Leadership Room (4 th Floor)

***Poster sessions are included in the concurrent sessions. Posters are displayed in the Spellmann Center's Anheuser-Busch Leadership Room.**

Concurrent Session 1, 2-3:20 p.m.

Paper Presentation (Session 1) Spellmann 3015

Jacqueline Brown & Tal Hunter, "History of Costume: The Crinoline period (1850-1869)."

Adam Brewster & Linda Nichols, "The Twenties, Thirties, and World War II."

Reyna Casssimatis, Skyler Gaudette, & Anna Heinold, "History of Costume: Fragmentation of Fashion from 1980-1999."

Paper Presentations (Session 1) Spellmann 3090

Mikalee Behen, Carolina Gamboa, & Lauren Dickherber, "History of Costume: The Romantic Period from 1820 – 1850."

Jordan Baumgartner & Jessica Cruz, "History of Costume: The New Look: Fashion Conformity Prevails 1947-1960."

Happiness Anue, Katlyn First, & Anuya Robertson, "History of Costume: Style Tribes Emerge from 1960-1980."

Paper Presentations (Session 1) Spellmann 3115

Kaitlyn Centini, "Papal Patronages that Defined the Counter Reformation."

Brayden Parker "Melanchthon and Calvin, Convenient Acquaintances: The Colloquies of 1539-1541 and Unification Concerning the Eucharist."

Alex Lagaria Marcal, "Hylomorphic Mereology in Scientific Composition."

Paper Presentations (Session 1) Spellmann 4105

Nana Sasaki, Mackenzie Kinkaid, & Rocio Guadarrama, "History of Costume: The Bustle Period from 1870-1900."

Brenna Frechman & Elaina Hanne, "The Edwardian Period and World War 1 (1900 - 1920)."

Katherine Kirchoff, Natalia Soares da Silva, & Ashley Lowtharp, "History of Costume: The New Millennium."

Poster Presentations (Session 1) AB Leadership Room

Darren Barnes, "Diagnosis and Treatment of Non-orthopedic Diseases."

Catlin Blair, "Ulnar Collateral Ligament Repair with Internal Brace."

Carlos Heitor Xavier Cabral "A Quantitative Analysis on the Effect of Drug Approvals in Pharmaceutical Stock Prices and Volatilities."

Aleksander Mansdoefer, "Correlational Study between Conservatism and Altruism."

George Martz, Kevin McGowan, & Abbey Lisica, "Disgusted Again, the Importance of Replication."

Tara Nolkemper & Jenny Holbrook, "Investigation of 4,2' Pyridine-2-Mercaptopyrimidine Glycosides."

Jessica Scherer, "6-Methylprid-2-ylThio Glycosides"

Amy Shapiro and Gabrielle Kuar, "Best Buddies."

Trent Skarupa, "Hamstring Surgery on a Collegiate Basketball Player: A Case Study."

Maegan Sullivan, "Bilateral Exertional Compartment Syndrome of a College Female Soccer Player: A Case Report."

Kaycee Sutton, "Bilateral Tibial Stress Fracture and Bilateral Chronic Compartment Syndrome of a Female Collegiate Athlete."

Hannah Zabriskie, "Energy Balance, Body Composition, and Bone Health in Female Lacrosse Players."

Concurrent Session 2, 3:30-4:50 p.m.

Paper Presentations (Session 2) Spellmann 3020

Lauren Baker, "A Systematic Examination of Origen's Eschatology of Progress."

Kaitlyn Centini, "Matteo Ricci: The Leader of the Jesuit Mission in China."

Paper Presentations (Session 2) Spellmann 3085

Jillian Wiley, "Is an Individual's reason for Bilingualism Correlated to their Outlook on Life."

Alec McDonnell, "Evaluating Student Motivations for participating in outdoor Adventure Classes at Lindenwood University."

Trevor Niebrzydowski, "Women in Comics: How women creators have ushered in a new era of diversity in the comic book industry"

Paper Presentation (Session 2) Spellmann 3115

Gabriel Elizabeth Danback, "Nuclear Dumping and Migration in Bridgeton, Missouri."

Jadelynn Rogers & Aimme Saffo, "The Frequency of Baumrind's Parenting Styles in the Modern World."

Yolanda Hart, "Parent-Adolescent Communication: How to Engage, Enlighten, and Empower Parents to become a Parent on Track."

Video Presentations (Session 2) Spellmann 3170

Colleen Murphy, "Taking the Service Road." (Video Presentation)

Sydney Gibbs, "The Art of Making an Original Composition for the Stage." (Performance)

Melissa Shaw, "A Walk in Their Shoes Documentary." (Video Presentation)

Poster Presentations (Session 2) AB Leadership Room

Douglas Ames, "The Effects of an Invasive Shrub on the Behavior of Harvester Ants."

Colleen Corba, "Go Green."

Brad Currier & Eli Lind, "Strength and Power Changes After Variable Resistance Training with Bands or Chains Compared to Traditional Loading."

Matthew Dreyer & Sam McGee, "Identifying Ciliogenesis Genes."

Patrick Harty, "Rapid-Phase Excess Post-Exercise Oxygen Consumption Following a Damaging Plyometric Exercise Bout in Resistance Trained Males."

Shelbi Koelling, "Analysis of Caffeine in Blood Serum Samples"

Nicholas LeGrand, "Tricuspid Regurgitation in a Female High School Track and Field Runner: A Case Report,"

Lauren McLaughlin, "Scaphoid Fracture Repair."

Mariah Palmer, "The Influence of Color on Mood."

Korrin Tilley & Iris Virta, "Role of FAP190 in Ciliogenesis Of Chlamydomonas Reinhardtii."

Morgan Brockmiller, "From casting to production: Outlining a process for a new work of art."

Connor Phillips, "Music and Memory."

Healey Miller, "Facilitating Successful Transitions to Long-Term Care Facilities."

Caitlyn Thompson, "The Polarizing Power of Language: Why the United States Abortion Debate is so Entrenched."

Abigail Connor, "Spinoglenoid Cyst Effect on the Shoulder and Surgical Plan."

Brendan Eley, "Effect of the FAP155 Gene on Ciliogenesis in Chlamydomonas Reinhardtii."

Krystia Grembocki, "Spotting a Criminal: Examining Perceived Racial Typicality in Violent and Non-violent Crimes."

Kevin McGowan & Ariel Page, " Presence of a Daily Routine on Frequency of Bizarre Dreams: An Online Study."

Katie Olson, "Mental Health and College Students."

Concurrent Session 3, 5-6:20 p.m.

Poetry and Fiction Presentations (Session 3) Spellmann 3020

Marie Cormier, "Stitches in time" (Poetry/Fiction Reading)

Aslan Demir, "Cell Number 77." (Poetry/Fiction Reading)

Dorr, Robert, "The Minotaur" and "Volunteer."

Paper and Video Presentations (Session 3) Spellmann 3085

Melissa Shaw, Eric Rhone, Ross Larimer, & Kayla Grothe, "Just One Bag." (Video Presentation)

Cristal Campocasso, "¿Ganando espacio?"

Shannon Steimel, "Overcoming Barriers to Equitable Technology Integration in Schools." (Video Presentation)

Paper Presentations (Session 3) Spellmann 3090

Maria Sanchez, "Undocumented immigrants pursuing higher education through DACA"

Georgia De Almeida, "My Own Fantastic Wardrobe."

Jadelynn Rogers, "Do Aspirations and Autonomy Relate to Perceived Mate Choice."

Paper Presentations (Session 3) Spellmann 4105

Courtney Flamm, "The Violent Progression Leading to Artemisia Gentileschi's Judith Slaying Holofernes."

Julia Waernerup, "How Theodicy Was Restructured in Response to the Shoah"

Paper Presentations (Session 3) Spellmann 4185

Jan Gerst, "Bitcoin Cryptocurrency: A Potential Revolutionary Paradigm Shift"

Alycia Wintermann, "Retention of Online Students"

Kwame Turner, "Helping Educators Identify and Remove Unconscious Negative Bias to Improve Education Relationship."

Paper Presentations (Session 3) Spellmann 4190

Noor Fons, "Student's Perceptions of Body Image."

Elaine Ragland, "Learning Communities in American Higher Education: Past, Present, and Future"

Leigh Reid, "Hip Hop and Feminism."

Poster Presentations (Session 3) AB Leadership Room

Daniel Bohn, "The Effects of Juglone on Amur Honeysuckle Germination."

Stephanie Brewer, "The Rehabilitation of Arthroscopic meniscus Repair resulting in MSSA Infection and Septic Arthritis"

Bryce Ensor, "Biomechanics of the Anterior Cruciate Ligament and Predisposing Factors of Recurrent Tears Occurring in a Collegiate Softball Player: Case Study."

Hannah Finchamp, "Bilateral Popliteal Artery Entrapment Syndrome: Predisposing Factors, Diagnosis, and Surgical Intervention."

Ariana Lewis, "Food preference of pillbugs (*Armadillidium* sp.) between non-native and native plant species."

Takaaki Komatsu, "Discrete Time Model for Humans vs Zombies Dynamics at Lindenwood University"

Sarah McGall, "Pilateral Patellar Tendon Tear in Male Volleyball Player."

Carrie Neer, "Nutrition Knowledge and Dining Hall preferences Among Lindenwood University NCAA Athletes."

Natsumi Sanda, "Elderly Cargiving in Japan."

Alex Schoenherr, "Synthesis and Modification of Ferrocene."

Katherine Wiesehan, "Effects of Invasive Plant Leaf Extracts on the Behavior of *Xenopus Laevis* Tadpoles."

Katherine Wiesehan, "Irrigation Service Learning Project Missouri Botanical Gardens and Lindenwood University."

Awards Ceremony

6:30 p.m.—Anheuser-Busch Leadership Room

Opening Remarks—Dr. Monica Flippin Wynn and Dr. Tom Cupples, SRC Committee Co-Chairs

Awards Presentation—Provost Marilyn Abbott

School of Accelerated Degree Programs

School of Arts, Media, and Communications

School of Education

School of Health Sciences

School of Humanities

Robert W. Plaster School of Business &

Entrepreneurship *

School of Sciences

Alpha Chi Award Presentation

Alpha Chi People's Choice Award, presented by Dr. Lynda Leavitt and Dr. Mary Ruetters

Closing Remarks—Dr. Monica Flippin Wynn and Dr. Tom Cupples, SRC Committee Co-Chairs

A list of the 2018 award winners will be available on the SRC website after the event.

2018 Student Research Conference Task Force

Tom Cupples—Professor of Information Technology
School of Accelerated Degree Programs

Elizabeth Fleitz—Associate Professor of English
School of Humanities

Monica Flippin Wynn—Associate Professor of Communication
School of Accelerated Degree Programs

Tracy Flicek—Instructor of ESL/EPP
School of Humanities

Shenika Harris—Assistant Professor of Spanish
School of Humanities

Amanda Harrod—Instructor of Public Health
School of Health Sciences

James Hutson—Associate Professor of Art and Design
School of Arts, Media, and Communications

Roger Nasser—Assistant Professor of Educational Leadership
School of Education

Marilyn Patterson—Professor of Psychology
Social and Behavior Sciences

Kate Tessmer—Associate Professor of Exercise Science
School of Health Sciences

Chajuana Trawick—Assistant Professor of Fashion Design
School of Arts, Media, and Communications

Nicholas Wintz—Associate Professor of Mathematics
Math and Natural Sciences

The SRC Task Force extends special thanks to President Dr. Michael Shonrock and Provost Dr. Marilyn Abbott for their continued support of the Student Research Conference.

The SRC Task Force also thanks the many faculty members who nominated students for this event and who volunteer today to serve as judges. We are grateful for the generous amount of time and energy that the Lindenwood faculty and administrators have invested in supporting student scholarship at this conference.

The SRC Task Force would also thank the staff who assisted with planning, arranging rooms and schedules, helping with the publicity, and so many other tasks to make this conference a success.

Thanks also go to the Lindenwood chapter of the Alpha Chi Honor Society for generously funding the Alpha Chi People's Choice Award.

Thank you to Darren Collier and his team for their work printing posters for our participants and to Chris Duggan for his work designing publicity materials and the event program and for the many photos and video images.

Finally, thanks to the many students who have continued to demonstrate scholarship, collegiality, and innovation with the 2018 conference.

The Student Research Conference logo was designed by Kayla Buchanan

SEE YOU NEXT YEAR!

LINDENWOOD UNIVERSITY

MISSION

REAL EXPERIENCE. REAL SUCCESS.

Enhancing lives through quality education and professional preparatory experiences.

VALUES

INTEGRITY - We are committed to ensuring trust and respect for all persons in an environment that cultivates individual and institutional integrity.

DEDICATION - We are committed to developing a high-performance work ethic and dedication to discipline or vocation.

EXCELLENCE - We are committed to providing quality and excellence in all our endeavors.

CREATIVITY - We are committed to the development of original ideas, knowledge and innovative approaches to solving complex problems.

COMMUNITY - We are committed to creating a connected, diverse community, sharing common attitudes, interests, and goals supporting personal and professional growth.

LINDENWOOD

REAL EXPERIENCE. REAL SUCCESS

www.lindenwood.edu