



*Marwalene Hughes*  
**RESEARCH IN EDUCATION  
CONFERENCE**

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FRIDAY, MARCH 25, 2022



FLORIDA STATE UNIVERSITY  
COLLEGE OF EDUCATION

# 2022 MARVALENE HUGHES RESEARCH IN EDUCATION CONFERENCE

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## *About the Title Sponsor*



Dr. Marvalene Hughes is a distinguished alumna of the College, where she earned her Ph.D. in Counseling and Administration. She is also a Florida State University Grad Made Good recipient. She previously served in a number of teaching and administrative positions at major research universities, including university president positions at Dillard University and California State University, Stanislaus. Dr. Hughes has engaged in research and published widely in the fields of education, human behavior, diversity, and organizational management. She also has been actively involved, nationally and internationally, in professional associations. Her generous support of this

event is an illustration of her commitment to higher education and her vision for creating partnerships that advance the common good.

The Marvalene Hughes Research in Education Conference is an annual event that is organized by the Council on Research in Education (CORE) committee to celebrate and showcase the work of COE faculty and graduate students. The first CORE Conference was held in 2007. In 2009, Dr. Marvalene Hughes began co-sponsoring the event, and generously continues to do so.

# SCHEDULE OF EVENTS

TIME	ACTIVITY	LOCATION
8:30 AM	Registration & Coffee	STB Atrium
9:00 AM	Concurrent Session 1	STB 3203, 3209 (spotlight), & 3303
10:10 AM	Concurrent Session 2	STB 3203, 3209 (spotlight), & 3303
11:20 AM	Remarks & Awards	STB Atrium
11:55 AM	Lunch	STB Atrium
1:00 PM	Poster Session	STB Ground Floor & 1st Floor
6:00 PM	Graduate Student Social <i>hosted by the COE Student Leadership Council</i>	Oyster City Brewery

# PROGRAM

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## Concurrent Sessions, Room 3203

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### 9:00 - 10:00 AM - Session 1

Amy Chan Hyung Kim, James Du, and Damon Andrew

*A Retrospective Study on Social Media Usage, Physical Activity, and Mental Health During the COVID-19 Lockdown: US Adult Age Groups*

Christine Andrews-Larson, Matthew Mauntel, David Plaxco, Mark Watford, Jessica Smith, and Minah Kim

*Contextual and Mathematical Conceptual Resources for Reasoning About Null Spaces*

Svenja A. Wolf, Hannah Pauly, Christopher Hill, Elke Reisch, and Carly Block

*Comparing Individual and Relay Races in Biathlon: The Effects of Social Indispensability on Effort- vs. Skill-based Task Performance*

Deb Osborn

*Cognitive Information Processing Theory: 30+ Years (and Counting) of Research*

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### 10:10 - 11:10 - Session 2

Bret Staudt Willet

*More Opportunities, More Costs: Early Career Teachers' Support Systems on Social Media*

Lama Jaber, Shannon Davidson, and Allison Metcalf

*Epistemic Empathy: A Resource for Responsive Teaching*

Jennifer Schellinger

*"Why aren't you listening to me?": Community and Individual Roles in Students' Epistemic Agency in Science*

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## Concurrent Sessions, Room 3303

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### 9:00 - 10:00 AM - Session 1

Amal Ibourk, Roxanne Hughes, and Lauren Wagner

*Counterstories of Black Women About What It Means to Be a STEM Person*

Russell Almond and James Hernandez

*Evidence-Centered Classroom Assessment*

NaRi Shin (UConn), Hanhan Xue, Ari Kim (Towson University), and Amy Chan Hyung Kim

*Are We (in)visible?: Toward a Critical Understanding of Asian Women Faculty Experiences in U.S. Sport Management*

Martin Swanbrow Becker, Stephanie Garrett, Joycelyn Albury, and Holly Larkin

*Fostering Social Connection to Support Help-Seeking Among First-Year College Students*

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# Concurrent Sessions, Room 3303

## 10:10 - 11:10 - Session 2

Eunhui Yoon, June Hyun (Seattle Pacific University), and Jeff Wolfgang (North Carolina A& T State University)

*Male Pacific Islander High School Students' Group Counseling Experiences*

Shannon Davidson, Sherry Southerland, and Lama Jaber

*It's the Work That It Does, Not the Object Itself: Scientific Posters As Boundary Objects*

S. Kathleen Krach, Michael McCreery (UNLV), Malaya Monk, and Jessica Bagneris

*You Can Lead a Teacher to the Intervention, But You Cannot Make Them Use It: Investigating Fidelity*

# Spotlight Concurrent Sessions, Room 3209

## 9:00 - 10:00 - Session 1

Jiaying Wang\*, Tom Raffin, Chelsea Ale, Dr. James Du, and Dr. Jeffrey James

*Predictably Rational or Unpredictably Emotional: Investigating Fans' Response to March Madness TV Commercials*

Hajeon Choi\*, Zhichun Liu, and Jiyae Bong

*Twitter Conference Participants and Their PLN Activities From Social Networking to Networked Knowledge Activities*

Brittany Closson-Pitts\*, Carla Wellborn, Stacey Rutledge, Marisa Cannata (Vanderbilt), and Stephen Bunn

*Peer Mentorship: Understanding the Agency of Student Mentors to Affect Change in Their School Communities* †

Seyda Uysal\* and Dr. Kathleen M. Clark

*Attending to Voices of Women and Racially/Ethnically Minoritized Students: Conflicting Perceptions of Mathematical Competence* †

## 10:10 - 11:10 - Session 2

Lara Perez-Felkner\* and Yang Li

*Can Advanced High School Mathematics and Science Course-Taking Yield More Equitable Pathways to Computing Degrees? Evidence from Florida's Community Colleges*

Jenny Root\*, Esther Lindstrom (Lehigh University), Deidre Gilley, and Rui Chen

*Experiences of Students With Intellectual and Developmental Disability and Their Caregivers During Covid-19*

Vanessa Dennen\*, Yasin Yalcin, Bruce Screws, and Jaesung Hur

*Student Webcam Behaviors and Beliefs: Emergent Norms, Student Performance, and Cultural Differences*

\* Gagné Research Award Finalist

† Zoom presentation

**Research Poster Session**  
**1:00 - 2:00 PM**  
**STB Atrium, Ground Floor & First Floor**

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- 1 Ozlem Akcil-Okan (STE) and Miray Tekkumru-Kisa  
*Teachers' Instructional Vision and Practices Around Promoting Productive Talk in Science Classrooms*
- 2 Bodunrin Akinrinmade (ELPS)  
*The Relationship Between Private Tutoring and Primary School-Aged Children's Reading Outcomes in Nigeria*
- 3 Brittany Brewster (ELPS)  
*Me-Search and We-Search: Using Qualitative Research to Develop Scholarly Voice*
- 4 Yanira Campos (ELPS)  
*Bridge to Graduate School: Student Experiences in a Graduate Preparation Program*
- 5 Ryan Coker (STE), Ozlem Akcil-Okan, Danielle Rhemer, Sierra Morandi, Jennifer Schellinger, Miray Tekkumru-Kisa, and Sherry Southerland  
*Exploring Collaborative Design to Support Teachers' Learning to Facilitate Rigorous Science Learning*
- 6 Chih-Pu Dai (EPLS), Fengfeng Ke, Zhaihuan Dai, Luke West, Saptarshi Bhowmik, and Xin Yuan  
*Toward AI-integrated Pedagogical Agents for Student Instructor Training in Virtual Reality*
- 7 Coretta Doss (STE), Rebecca Summy, Monique Harris, and Nicole Patton Terry  
*Examining Teacher Knowledge After Participation in a Summer Professional Learning Community*
- 8 O'Juan Edwards (ELPS), Tonisha Lane, Brittany Brewster, and Tamara Bertrand Jones  
*Why Study Black Women Doc Students?*
- 9 Ciera Fluker (ELPS), Lara Perez-Felkner, and Kiaira McCoy  
*Students' Perceptions of an REU Summer Program and Their Engineering Identity Development*
- 10 Chelsea Funari (EPLS), Michael Mesa, Beth Phillips, Jessica Richie, and Youngmin Oh  
*What Do Preschool Teachers Do All Day?*
- 11 Susmit Gulavani (SM), Carter Floyd, Yang Xu, and James Du  
*Examining Conspicuous Consumption in eSports Through the Lens of Emotional Sentiments*
- 12 Monique Harris (STE), Coretta Doss, Rebecca Summy, and Nicole Patton Terry  
*An Exploratory Study Examining the Impact of a Reading-Focused PLC on Teacher Knowledge*
- 13 Guarav Harshe (ELPS)  
*Bridges Not Walls: Building Partnerships Between DEI and ISSS Offices*
- 14 Thomas Henry (SM), Carly J. Skenian, Amy Chan Hyung Kim, and James Du  
*Exploring Motivations and Psychological Outcomes of Backpacking Activities: A Systematic Review*

**Research Poster Session**  
**1:00 - 2:00 PM**  
**STB Atrium, Ground Floor & First Floor**

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- 15 Yao Huang (EPLS)  
*A Qualitative Study of How Augmented Reality Is Used As Performance Support in Industries*
- 16 Spirit Karcher (STE), Jessica Smith, and Ian Whitacre  
*Examining Reasoning About Complex Numbers from the Perspective of Number Worlds*
- 17 Victor Káspér (STE), Shannon G. Davidson, and Lama Jaber  
*“Kinda awful. I spent a lot of time crying”: Attending to the Emotions of PSTs of Color in STEM Teacher Education*
- 18 Ruveyde Asli Kaya (STE), Jennifer Schellinger, Sherry Southerland, Kirby Whittington, and Sam Skrob-Martin  
*Development of Preservice Elementary Teachers’ Epistemic Empathy: Learning to Consider Learners as Sensemakers in Science?*
- 19 Fengfeng Ke, Jewoong Moon (University of Alabama), Zlatko Sokolikj, Kelly Whalon, Shayok Chakraborty, and Greg Hajcak  
*Virtual-Reality-based Training of Representational Flexibility for Adolescents with Autism*
- 20 Cassandra R. Kepple (ELPS), Dawn Y. Matthews, and Lara Perez-Felkner  
*Examining the Effects of a First-Year Seminar for Exploratory Students*
- 21 Kyeongwon Kim (ELPS)  
*Teachers’ Involvement in Shared School Decision-Making*
- 22 Juhee Kim (EPLS), Jeremiah Sullins (Harding University), and Jeannine Turner  
*Delving Into the Impact of Shame-Related Variables on Students’ STEM Learning*
- 23 Minah Kim (STE) and Christine Andrews-Larson  
*Can Discussion Boards Disrupt Gendered and Racialized Discussion Patterns in Math Classes?*
- 24 Harini Krishnan (STE), Lama Jaber, Jennifer Schellinger and Sherry Southerland  
*Make or Break Collaborative Disciplinary Engagement in Science: Negotiating Tensions in Group Work*
- 25 Emily Leyava (ELPS) and Melba Marin-Velasquez  
*“Anything to help you do your work”: Exploring the Non-Linear Dynamics of Consent*
- 26 Seol Lim (ELPS) and Seongkyum Kim  
*Help or Hindrance? Teachers’ Use of the First Language in Multilingual Countries*
- 27 Marshall Mainer (SM)  
*The Bigger, the Better? Examining Relative Effect of School Size, Competitive Balance, and Fan Attendance in Texas Public High School Football*
- 28 Nancy C. Marencin (STE), Cynthia U. Norris, and Rebecca Vasile  
*Examining the Effects of Irregular and Sight Word Reading Instructions: A Combined Single-Case and Between-Groups Experiments Meta-Analysis*

**Research Poster Session**  
**1:00 - 2:00 PM**  
**STB Atrium, Ground Floor & First Floor**

- 29 Allison Metcalf (STE), Lama Jaber, and Shannon Davidson  
*Epistemic Empathy: A Resource for Equitable and Responsive Teaching*
- 30 Malaya Monk (EPLS), S. Kathleen Krach, Michael McCreery (UNLV), Danielle Head (UNLV), and Sam Leif (UNLV)  
*The Role of Cognitive Processes in Reactive and Proactive Aggression*
- 31 Alexander J. Moran (ELPS) and Motoko Akiba  
*State Policy and District Implementation of Literacy Coaching in Florida*
- 32 Sierra Morandi (STE), Claudia Hagan, Ellen M. Granger, Jennifer Schellinger, and Sherry A. Southerland  
*Exploration of Epistemic Orientation Towards Teaching Science in a Longitudinal Professional Development Study*
- 33 Amber Noor Mustafa (ELPS)  
*A New Perspective on Outcomes via Process Analysis*
- 34 Emily Plummer Catena (STE), Mark Watford, Minki Jeon, Lori Walter-Carro, and Domanique Caro-Rora  
*Participatory Course and Professional Development Across Classrooms and Roles*
- 35 Rhonda Raines (STE), Jennifer Todd, and Nicole Patton Terry  
*Preliminary Results of a Meta-Analysis on Effective Methods of Preparation for Preservice Elementary Reading Teachers*
- 36 Kathryn Schell (ELPS), Ana H. Marty, and Marion Fesmire  
*Bridging the Preservice/In-service Divide So Teachers Can Thrive*
- 37 Sam Skrob-Martin (STE), Alicia Batailles, and Sherry A. Southerland  
*"Do worms have urine?": Resources Students Draw Upon in Response to Uncertainty In Biology Laboratories*
- 38 Jessica Smith (STE), Inyoung Lee (ASU), Michelle Zandieh (ASU), and Christine Andrews-Larson  
*Constructing Linear Systems With Particular Kinds of Solution Sets*
- 39 Mariana Talpau Joos (EPLS)  
*Exploring Dynamic Changes in Writing Experiences: A Case Study*
- 40 Jennifer Todd (STE), Rhonda Raines, Debbie Slik, and Sonia Cabell  
*Preliminary Results for the Effects of Professional Development on Student Writing: A Meta-Analysis*
- 41 Jingyan Wang (SM), Hanhan Xue and Grace Yan (University of South Carolina)  
*Revitalizing Sporting Space Through Esports Venue Development: A Multi-site Case Study of Esports Stadium and Fusion Arena*



**Research Poster Session**  
**1:00 - 2:00 PM**  
**STB Atrium, Ground Floor & First Floor**

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- 42 Sen Wang (STE)  
*What are in the Bookstores? The Diversity of New York Times Bestselling Children's Picture Books*
- 43 Mark Watford (STE)  
*Discursive Transgressive Actions in a History of Calculus Course*
- 44 Dionne Wilson (STE)  
*Equity Audit: Why Aren't the Black Students Showing Up?*
- 45 Hye Ryung Won (STE)  
*Harnessing Children's Imagination: A Teacher's Experience of Dramatic Approach in Teaching Preschool Science*
- 46 Hyosoon Yim (SM), Amy Chan Hyung Kim, Jeffrey James, and James Du  
*Sport Participation, Acculturative Stress, and Depressive Symptoms Among International College Students in the United States*

# 2022 presenters are sharing their research at the following conferences:

CONFERENCE	LOCATION
12th Congress of European Society for Research in Mathematics Education (CERME12)	Virtual
American Association for Applied Linguistics (AAAL)	Pittsburgh, PA
American Association of Suicidology (AAS)	Chicago, IL
American College Personnel Association (ACPA)	St. Louis, MS
American Education Research Association (AERA)	San Diego, CA
American Society for Engineering Education (ASEE)	Minneapolis, MN
Association for Education Finance and Policy (AEFP)	Denver, CO
Association for Educational Communications and Technology (AECT)	Chicago, IL
Association for Specialists in Group Work (ASGW)	Atlantic Beach, FL
Comparative and International Education Society (CIES)	Minneapolis, MN
Council for Exceptional Children (CEC)	Orlando, FL
Florida Educational Research Association (FERA)	Tampa, FL
Learning Guild	Las Vegas, NV
National Association of Foreign Student Advisers (NAFSA)	Denver, CO
National Association for Research on Science Teaching (NARST)	Vancouver, BC, Canada
National Association of School Psychologists (NASP)	Boston, MA
National Association of Student Personnel Administrators (NASPA)	Baltimore
National Career Development Association (NCDA)	Anaheim, CA
National Conference on Race and Ethnicity (NCORE)	Portland, OR
National Council on Measurement in Education (NCME)	Virtual
North American Society for Sport Management (NASSM)	Atlanta, GA
North American Society for the Psychology of Sport and Physical Activity (NASPPA)	Waikoloa Beach, HI
Special Interest Group of the Mathematical Association of America on Research in Undergraduate Mathematics Education (SIGMAA on RUME)	Boston, MA
Sport Marketing Association (SMA)	Las Vegas, NV

**Total conferences: 24**

# ROBERT M. GAGNÉ RESEARCH AWARD

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Robert Mills Gagné earned his Ph.D. from Brown University in 1940. In 1969, following an already distinguished career working with U.S. Air Force research laboratories, acting as director of research for the American Institutes of Research, and serving as a distinguished professor at the University of California at Berkeley, Gagné was recruited to FSU. He is the only faculty member in the College of Education to have served as president of the American Educational Research Association. He is only the second COE faculty member to have been named a Robert O. Lawton Distinguished Professor, the highest honor that the faculty can bestow on a colleague. His scholarly contributions elevated the reputation of his program, Instructional Systems, as well as the College and University. Gagné retired in 1985 but continued working and writing for almost 10 more years. This award honors his research legacy and the spirit of mentoring with which he worked with students and faculty colleagues.

## ROBERT M. GAGNÉ RESEARCH AWARD FINALISTS

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### FACULTY

VANESSA DENNEN

*Educational Psychology & Learning Systems*

LARA PEREZ-FELKNER

*Educational Leadership & Policy Studies*

JENNY ROOT

*School of Teacher Education*

### STUDENTS

HAJEEN CHOI

*Educational Psychology & Learning Systems*

BRITTANY CLOSSON-PITTS

*Educational Leadership & Policy Studies*

SEYDA UYSAL

*School of Teacher Education*

JIAYING WANG

*Sport Management*

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### 2020 AWARDEES

SONIA CABELL

*School of Teacher Education*

ŞEBNEM ATABAŞ

*School of Teacher Education*

### 2021 AWARDEES

LAMA JABER

*School of Teacher Education*

DANIELLE RHEMER

*School of Teacher Education*



*Mawalene Hughes*  
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The purpose of the Council on Research in Education (CORE) is to raise and address issues related to research and grant possibilities within the College of Education (COE) and to facilitate collaboration within and across departments and schools in order to promote research initiatives. To support and enhance the community of inquiry and facilitate research dissemination in our college, travel expense funding, provided by the Dean's Office, is awarded to faculty and graduate students. In addition, one faculty member and one graduate student receive a Robert M. Gagné Research Prize.

*A special thanks to this year's CORE committee who made this event possible with the assistance of student volunteers and staff from the Office of Research and Office of Communications & Recruitment. Additionally, the CORE committee would like to gratefully acknowledge the assistance of colleagues who contributed time to review papers for their departments.*

QIAN ZHANG (EPLS)

STACEY RUTLEDGE (ELPS)

JOSHUA NEWMAN (SM)

SHAOFENG LI (STE)