Monday June 24

9:15:00 AM - 10:45:00 AM Room: Exhibit Hall
Board 72: Adaptive Affect-Aware Multimodal Learning Assessment System for Optimal Educational Interventions
Andres Gomez [UF], Catia Silva [UF]

9:15:00 AM - 10:45:00 AM Room: Exhibit Hall
Board 58/Work in Progress: Iron Coder: An Integrated Development Environment for Embedded Development in Rust
Carsten Thue-Bludworth [UF], Jeremiah Blanchard [UF]

11:00:00 AM - 12:30:00 PM Room: E141
"Ima Nmadu": Building Academic Success Through Relationships – A Black Civil Engineering Ph.D. Student's Autoethnographic Insights
Mary Nwanua [UF]

11:00:00 AM - 12:30:00 PM Room: D134
Apples or Oranges: A Step Back in Time to Understand Which Programming Language is for Novice Programmers
Kwansun Cho [UF], Umer Farooq, Saira Anwar

11:00:00 AM - 12:30:00 PM Room: D137
Investigating Transition Phases: An Autoethnographic Study of International Women of Color Engineering Educators in the U.S.
Maimuna Begum Kali, Sreyoshi Bhaduri, Lilianny Virguez [UF], Debalina Maitra

11:00:00 AM - 12:30:00 PM Room: C120
Student Goal Formulation in an Introductory Engineering Design Course through Systems Thinking Scenarios
Andrea Goncher-Sevilla [UF], John Mendoza-Garcia [UF], Mengyu Li [UF]

11:00:00 AM - 12:30:00 PM Room: E142
Vertical Transfer Student Pathways into Engineering: A 20-Year Benchmarking Analysis at a Large Public Research-intensive Institution in Florida
Caroline Lubbe [UF], Sindia Rivera-Jiménez [UF], Justin Ortagus [UF], Hope Allchin [UF], Sofia Montiel [UF]

1:30:00 PM - 3:00:00 PM Room: A106
Latina Engineering Student Graduate Study Decision Processes-Development and Initial Results of a Mixed-Methods Investigation
Bruce Carroll [UF], Janice Mejia, Kent Crippen [UF], Sheila Castro [UF]

1:30:00 PM - 3:00:00 PM Room: G132
On the Potential Role of Artistic Process Workshops to Develop Creative Thinking Skills of Engineering Students: Preliminary Results and Insights
Elif Akcali [UF], Tobias Lodemann [UF], Braxton Rae [UF]

1:30:00 PM - 3:00:00 PM Room: E141
A Systematized Literature Review on Workforce Development Programs for Engineering Graduate Students
Isabella Victoria [UF], Laura Cruz Castro [UF], Idalis Villanueva Alarcón [UF]

1:30:00 PM - 3:00:00 PM Room: B114
How AI Assisted K-12 Computer Science Education: A Systematic Review
Zifeng Liu [UF], Rui Guo [UF], Wanli Xing [UF], Xueyan Gao [UF], Xinyue Jiao, Hyunju Oh [UF]

3:15:00 PM - 4:45:00 PM Room: D133
Towards a Survey Instrument for Use In Proactive Advising
Kenneth West [UF], Bruce Carroll [UF], Jinnie Shin [UF], and Kent Crippen [UF]

3:15:00 PM - 4:45:00 PM Room: E146
Developing an AI and Engineering Design Hybrid-Remote Summer Camp Program for Underrepresented Students
Alvin Hughes [UF], Nancy Ruzycki [UF], Jacob Yarick [UF], Hajymyrat Geldimuradov [UF], Katherine Miller [UF], Sarah Langham [UF]

3:15:00 PM - 4:45:00 PM Room: B117
Beyond the Algorithm: Empowering AI Practitioners through Liberal Education
Sreyoshi Bhaduri, Tammy Mackenzie, Leslie Salgado, Victoria Kuketz, Solenne Savoia, Lilianny Virguez [UF]

3:15:00 PM - 4:45:00 PM Room: A107
Examining STEMM Mentorship within Student Organizations in Higher Education through a Critical Lens
Kassandra Fernandez [UF], Nancy Ruzycki [UF], Krista Chisholm [UF]

Tuesday June 25

8:00:00 AM - 9:00:00 AM Room: Ballroom A
Best Overall PIC Paper: Nuestro Impacto: An Insider Look into the Connections Between our Past Experiences and Current Teaching and Mentoring Practices
Idalis Villanueva Alarcon [UF], Laura Melissa Cruz Castro [UF], John Mendoza Garcia [UF], Edward Latorre-Navarro [UF], Diego Alvarado [UF], Lilianny Virguez [UF]

9:15:00 AM - 10:45:00 AM Room: E148
Designing with AI: Integrating Image-Generative AI into Conceptual Design in a CAD Class
Wangda Zhu [UF], Wanli Xing [UF], Rui Guo [UF], Eddy Man Kim, Yuanzhi Wang , Chenglu Li

9:15:00 AM - 10:45:00 AM Room: E142
Poetry Writing as a Creative Task to Enhance Student Learning
Elif Akcali [UF], Emma Atherton [UF]

9:15:00 AM - 10:45:00 AM Room: B116
A Modified Concept Inventory for Dynamics
Julian Davis, Amie Baisley [UF], Geoffrey Recktenwald, BrianSelf, Phillip Cornwell

9:15:00 AM - 10:45:00 AM Room: B116
Student Performance on Statics Problems in Deformable Solids: A Look at Pre- and Post-Test Results
Dr. Amie Baisley [UF], Keith Hjelmstad

9:15:00 AM - 10:45:00 AM Room: F151
Engineers and Mothers of Color: The Struggle of Juggling Work and Children with a Specific Learning Difficulty
Kimberly Cook-Chennault, Idalis Villanueva Alarcón [UF]

9:15:00 AM - 10:45:00 AM Room: D137
Assessing the Effectiveness of Open-ended Engineering Design Projects in a First-Year Engineering Programming Course for Improving Students' Problem-Solving Styles
John Mendoza-Garcia [UF]

11:00:00 AM - 12:30:00 PM Room: D138
Exploring Outcome Expectations in Artificial Intelligence and Internet of Things in First-Year Engineering Students
Andrea Ramirez-Salgado [UF], Pavlo Antonenko

11:00:00 AM - 12:30:00 PM Room: B119
Refining Flow Characterization Desk-Scale Experiments and Blended Learning in Engineering Education: A Framework for Assessment
Fernando Merida [UF], Sindia Rivera-Jiménez [UF]

11:00:00 AM - 12:30:00 PM Room: E144
A Cross-Institutional Study of Engineering Education Faculty Profiles
Gadhaun Aslam [UF], Idalis Villanueva Alarcón [UF]

1:30:00 PM - 3:00:00 PM Room: D138
Bridging the Gap: Exploring Semiconductors Exposure and Motivation among Multidisciplinary Engineering Students
Lilianny Virgüez [UF], Sreyoshi Bhaduri, Debarati Basu, Gloria Kim [UF]

1:30:00 PM - 3:00:00 PM Room: B116
Different Teaching Styles and the Impacts on Test Design for Dynamics
Amie Baisley [UF], Julian Davis, Geoffrey Recktenwald

1:30:00 PM - 3:00:00 PM Room: F149
AI's Visual Representation Gap: Redefining Civil Engineering Workspaces for Early-Career Women
Elizabeth Volpe [UF], Denise Simmons [UF]

1:30:00 PM - 3:00:00 PM Room: D140
The Seamless Integration of Machine Learning Education into High School Mathematics Classrooms
Hyunju Oh [UF], Rui Guo [UF], Dr. Wanli Xing [UF], Zifeng Liu [UF], Yukyeong Song [UF], and Chenglu Li

3:15:00 PM - 4:45:00 PM Room: B113
The State of Engineering Graduate Student Researcher Self-Awareness
Jasmine Smith [UF], Jeremy Waisome [UF], David Therriault [UF]

3:15:00 PM - 4:45:00 PM Room: E144
Impact of In-person Instruction on Student Performance Using a STEM Technical Design Course
Sarah Jayasekaran [UF]

3:15:00 PM - 4:45:00 PM Room: D138
Microelectronics Research and Global Competencies: Unpacking Research Abroad Experiences of Engineering Students
Gloria Kim [UF], Jin Choi, Yong Yoon, Chibuzor Okocha [UF]

3:15:00 PM - 4:45:00 PM Room: D137   International Division best paper
Understanding Experiences of Engineering Students on Faculty-Led Internship Abroad Programs
Pingchien Neo [UF], Elliot Douglas [UF]

3:15:00 PM - 4:45:00 PM Room: E144
Impact of Students Backgrounds on Online Learning Behavior:Generation Z Technology Acceptance of E-Learning Technology during COVID-19
Sanaz Motamedi [UF], Viktoria Marcus [UF]

3:15:00 PM - 4:45:00 PM Room: B117
Shaking The Silos: Impact of Sequential Live Coding on Students' Performance and Perceptions
Kwansun Cho [UF], Syeda Fizza Ali, Sung Bang, Saira Anwar

Wednesday June 26

8:00:00 AM - 9:30:00 AM Room: G129
Assessing Student Engagement, Success, Leadership and Teamwork Skills with Respect to Team Role Selection and Execution
Edward Latorre [UF]

9:45:00 AM - 11:15:00 AM Room: Exhibit Hall
NSF Grantees Poster Board # 432/ Work in Progress: Immersive, Hands-On, and Interactive Quantum Information Science and Technology: Empowering Undergraduate Students in Quantum Computing
Syed Hassan Tanvir [UF], Gloria J Kim [UF], Jing Guo [UF], Philip Feng [UF], and Wanli Xing [UF]

11:30:00 AM - 1:00:00 PM Room: A106
Mentoring for Making: Peer Mentors Working with Learners in a Making-Focused Engineering Course
Louis Nadelson, Pamela Dickrell [UF], Katherine DeJesus

11:30:00 AM - 1:00:00 PM Room: D137
 Exploring and Expanding Support for International Students in Engineering: Faculty Reflections Beyond Academic Boundaries
Animesh Paul, Sreyoshi Bhaduri, Racheida Lewis, Krishna Pakala, Debarati Basu, Lilianny Virguez [UF]

11:30:00 AM - 1:00:00 PM Room: G132
Establishing Sustainable Programs: Creating Lasting Computer Science Summer Programs for Middle School Students
Krista Chisholm [UF], Olivia Lancaster [UF], Nancy Ruzycki [UF], Areesha Razi [UF]

11:30:00 AM - 1:00:00 PM Room: A105
Use of Sentiment Analysis to Assess Student Reflections in Statics
Amie Baisley [UF], Chiranjeevi Singh Marutla [UF]

11:30:00 AM - 1:00:00 PM Room: B117
Improving Efficiency and Consistency of Student Learning Assessments: A New Framework Using LaTeX
Ira Harkness [UF], Justin Watson

2:00:00 PM - 3:30:00 PM Room: C123
 Unraveling the Nexus: Engineering Student Effort, Coding Protocols, and Academic Performance
Edwin Marte Zorrilla [UF], Idalis Villanueva Alarcón [UF], Darcie Christensen, Jenefer Husman, Matthew Graham

2:00:00 PM - 3:30:00 PM Room: G131
Exploring the Role of Self-Efficacy in Entrepreneurial Decision-Making: An Action Research Study [WIP]
Tim Ransom, Alysa Lozano, Betul Bilgin, Courtney Pfluger, Dr. Sindia M. Rivera-Jiménez UF, Katie Cadwell, Gisella Samanamud

2:00:00 PM - 3:30:00 PM Room: B118
 Edu-tainment in STEM: Exploring the Feasibility of Television-based Educational Games in Engineering Education
Aroba Saleem [UF], Idris Jeelani [UF]