

COLLABORATIVE CONNECTOR

Community+
Research Profiles



Amy Ai

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My Interest in Community

- Exploring individual strength and protective factors to enhance pandemic/disaster-related resilient outcomes
- The long-term survival as a resilient outcome of cardiac and other chronic conditions with multidisciplinary predictors
- Understanding the complicated pathways (mechanism) to both positive and negative outcomes following individual and collective trauma from interdisciplinary perspectives
- Revealing psychosocial risk for post-disaster recovery and rebuilding in underserved minority populations
- Examining various types of wellbeing and traumatic impacts

Research and Projects

Principal Investigator (PI) — *The Role of Psychological Strength Factors on Long-term Survival of Older Adults with Advanced Heart Diseases & Gender Differences (20-years follow-up)* funded by the National Institute on Health.

Co-PI — *Traumatization and Resilience Following Hurricanes Maria and Michael in Florida: Positive Media and Posttraumatic Growth*

Consultant — *Psychosocial Impact of Lock down during the Covid-19 pandemic* (an international survey, PI: Anna Kopic, PhD, Univ. of Rome, Italy)

Ai, L. A., Renay, A. A., & Paloutzian, R. F. (2021). Perceived spiritual support (short-form) counteracts the traumatic impact of extreme disasters: Exploration of moderators. *Psychological Trauma: Theory, Research, Practice, and Policy*

Ai, L. A., Petscher, Y., Pappas, A. (2021). Childhood mistreatment, PTSD, and substance use in Latinx: The role of discrimination in an omitted-variable bias. *International Journal of Behavioral Medicine, 28()*, 602-615..

Ai, A. L., Kabbie, M. (2014). Body affects mind? Preoperative biological predictors for postoperative psychiatric symptoms in cardiac patients. *Journal of Behavioral Medicine, 37(1)*, 127-134.

Expertise/Interests

- Psychosocial Impacts of Pandemics and Disasters
- Complexity in Trauma and Resilient Outcomes
- Diseases' Mental Health Comorbidities
- Existential Crisis/Spirituality

How I Can Help You

- Interdisciplinary research on disease and pandemic impacts
- Clinical studies on patients' long-term resilience/survival
- Risk factors in physical and mental health
- Influences of human strength factors on resilience
- Complex research design

How You Can Help Me

- Biomarkers in diseases
- Biostatistics
- Statistical modeling
- Collaboration on publications and disseminations
- Creative projects with multidisciplinary expertise such as your basic sciences



Sowmya Balachandran

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My Interest in Community

- Pathways to economic mobility for low-income and minority communities through housing and community development
- Spatial justice in city regions and implications for community power and political engagement
- Community organizing, resistance and institutional networks
- Non-profit work in low-income and minority neighborhoods

Research and Projects

- Spatial opportunity mapping in city regions – a critical analysis of opportunity for racial and spatial justice
- Low-income homeownership for intergenerational mobility in the Chicago region
- Dynamics of inclusionary housing policies in the United States
- Housing production and community needs in the Gulf Coast states

Expertise/Interests

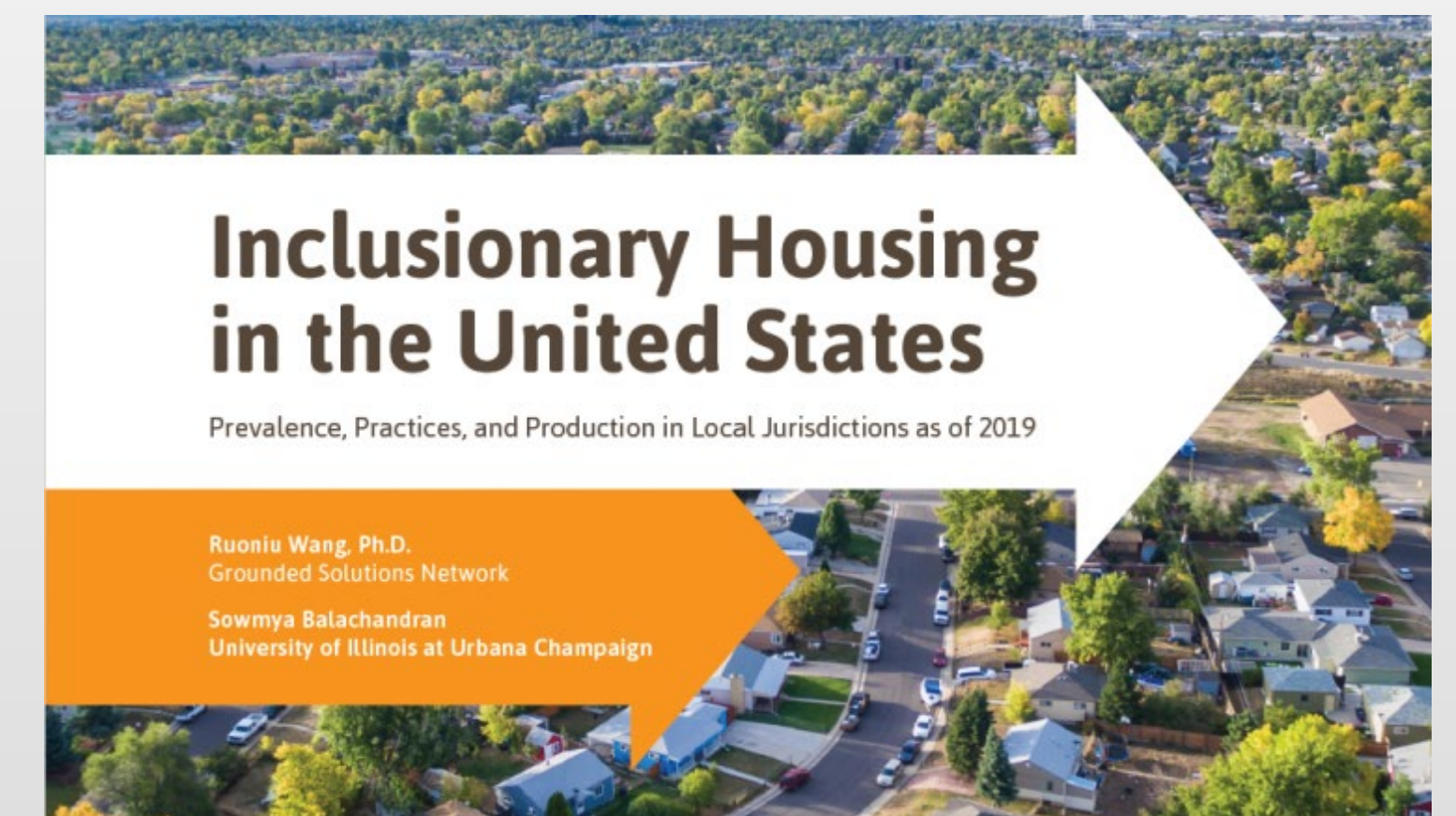
- Housing policy and community development
- Urban land use planning
- Poverty, poverty risk, intergenerational mobility
- Low-income homeownership and asset building

How I Can Help You

- Formulating research based on mixed methods, critical GIS and critical quantitative analysis
- Community engaged research
- Leadership and project management

How You Can Help Me

- Interdisciplinary research in minority and disadvantaged communities
- Grant writing experience and mentoring
- Advanced quantitative modeling





Cameron C. Beatty, Ph.D.

Educational Leadership & Policy Studies

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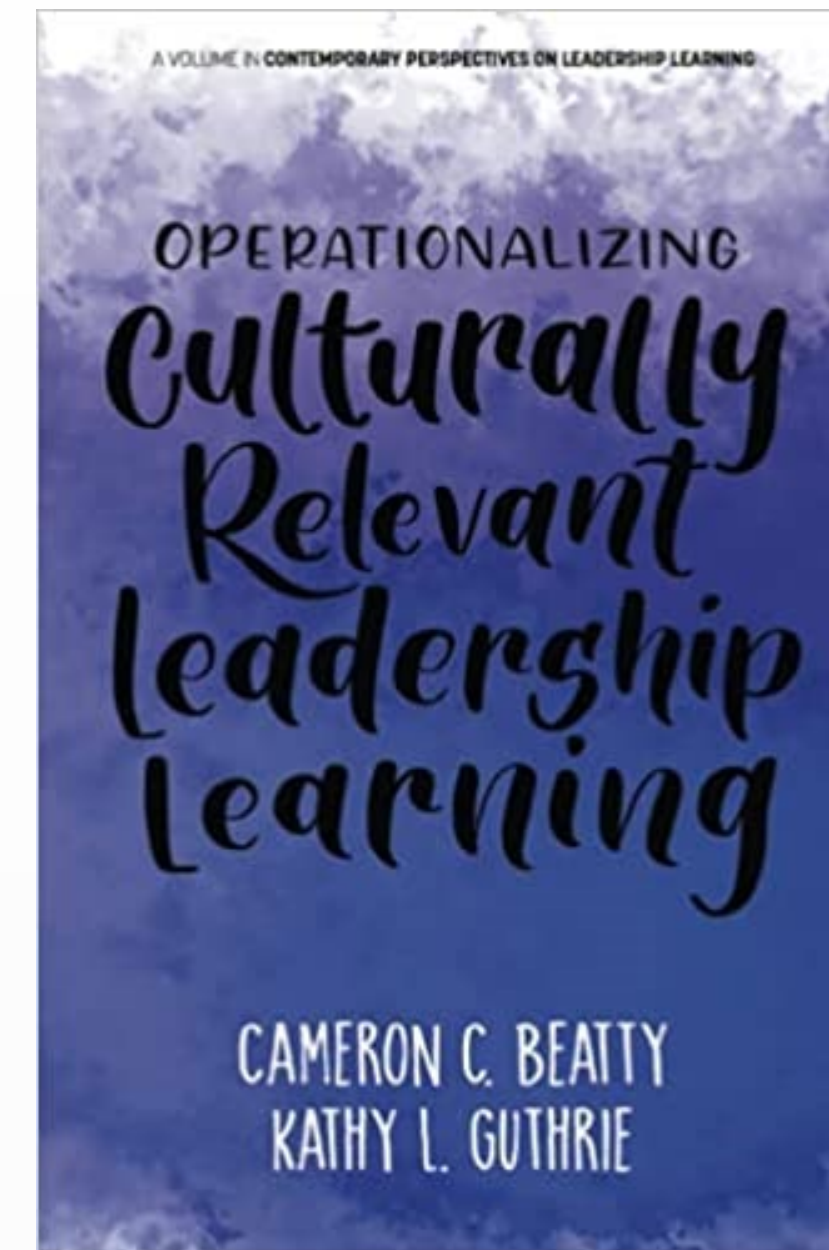
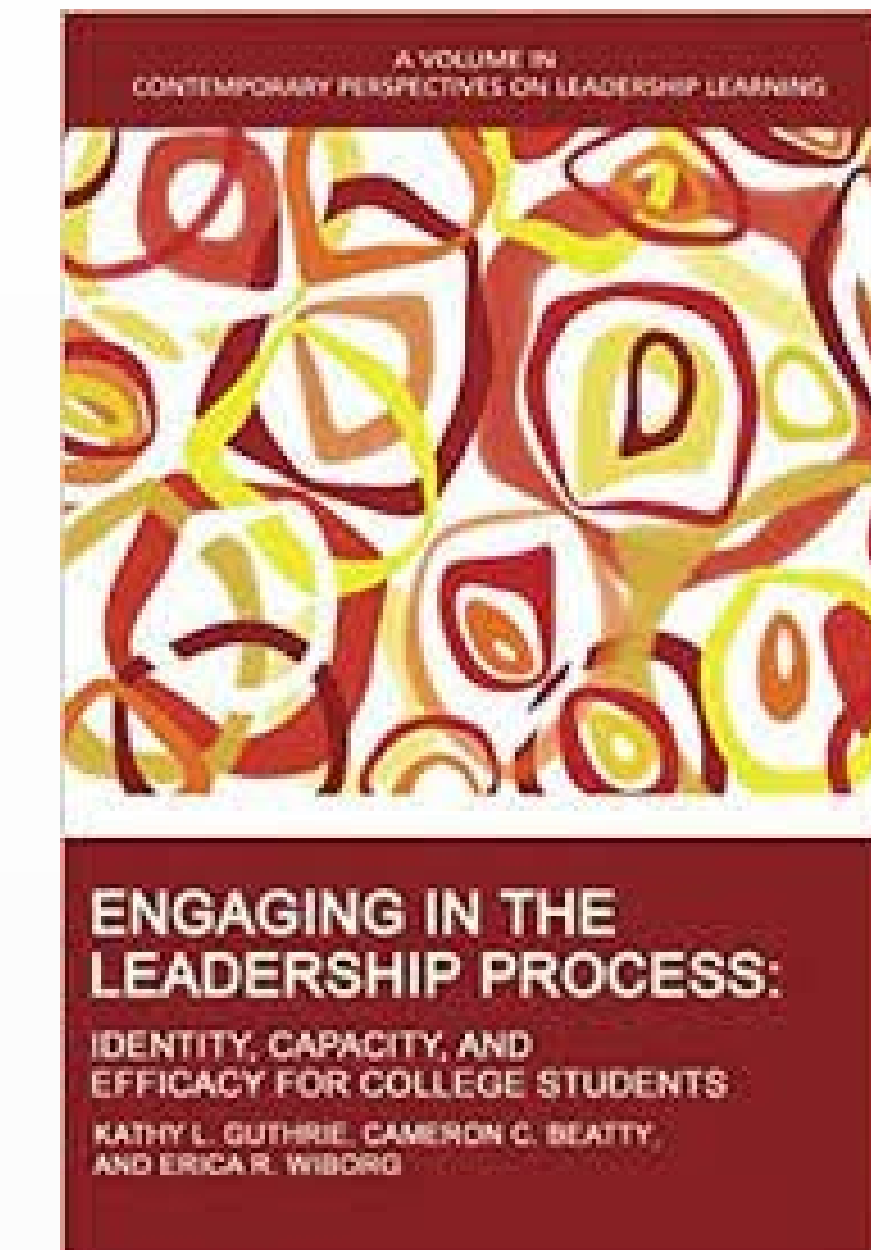
<https://education.fsu.edu/cameron-beatty>

My Interest in Community

- Identifying and building collaborative research teams, and positioning them to compete for external funding around issues of community racial justice and equity
- Connecting with individuals and teams working to translate research into societal impact around racial justice.
- Connection to local non-profit and government organizations with missions and programs centering racial justice
- Grant writing and connecting with other individuals at FSU who are interested in the social, political, education and economic impacts of racism and racial injustice.

Research and Projects

CULTURAL RELEVANT LEADERSHIP LEARNING



STUDENT LEADERSHIP LEARNING

Beatty, C., Wiborg, E., Brewster, B., & LeBlanc, J. B. (2021). Alumni applied leadership learning: The influence of an undergraduate academic leadership program. *Journal of Leadership Education*, 20(1), 128-139. Retrieved from https://journalofleadershiped.org/jole_articles/alumni-applied-leadership-learning-the-influence-of-an-undergraduate-academic-leadership-program/.

SOC RACIAL BATTLE FATIGUE

Beatty, C. C., & Lima, A. (2021). Normalcy, Avoidance, Consciousness Raising: Exploring How Student Leaders Navigate Racial Battle Fatigue. *Journal of Student Affairs Research and Practice*, online first, 15. Retrieved from <https://doi.org/10.1080/19496591.2021.1955697>

Expertise/Interests

- Qualitative data collection/analysis- critical methodologies
- Undergraduate leadership learning/education/development
- Addressing racial battle fatigue higher education
- Addressing issues of equity in higher education policy and practice

How I Can Help You

- Connection to local non-profit and government organizations focused on racial justice
- Grant writing presentations for faculty and/or classes.

How You Can Help Me

- Assist with qualitative research design (focus groups or interviews) and data analysis
- Collaborate to develop equitable community practices to address racial justice and equity
- Graduate student support to contribute to a collaborative research team



Marcela Castano

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github.com/marcelacastano

My Interest in Community

- Participate in collaborative environments that further my skillset and connect me with passionate individuals.
- On my spare time, I coach at a local gym. I enjoy mentoring and celebrating people in their path towards achieving their athletic goals.

Ideally, I'd like be a part of initiatives that

- Promote social equity
- Advocate for mental health
- Aid the development of financially inclusive technology

Research and Projects

- Natural Language Processing
github.com/marcelacastano/NLP-and-Machine-Music
- PyChain Ledger
grop-pychain-ledger.herokuapp.com/
- Crypto Wallet
github.com/marcelacastano/Crypto-Wallet
- FinTech Case Study on Wise
github.com/marcelacastano/Wise-Case-Study

Expertise/Interests

- Project Management
- Programming
- Engineering
- FinTech
- Collaborative development

How I Can Help You

- Data analysis and visualizations
- Python, SQL, Excel
- Machine Learning
- Technical writing

How You Can Help Me

- Seeking collaboration
- Access to datasets
- Project concept

Tra Bouscaren
Assistant Professor
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My Interest in Community

- We seek to empower efforts towards increasing media literacy and access to media equipment.
- Our group members are concerned in the social, political, environmental, racial, and economic impacts of contemporary technologies.
- We seek to find more people interested in creative technologies to work with us towards the pursuit of interdisciplinary, practice-based collaboration.

Research and Projects



I am the Expanded Media Lab Co-Director. Our group connects faculty members from the departments of Art, Communications, Dance, Music, Film, the Office of Digital Research and Scholarship, and the Innovation Hub.

Expertise/Interests

- Interdisciplinary Collaboration
- Installation Art
- New Media Art
- Practice-Based Research
- Aesthetics and Media Ontology
- Surveillance

How I Can Help You

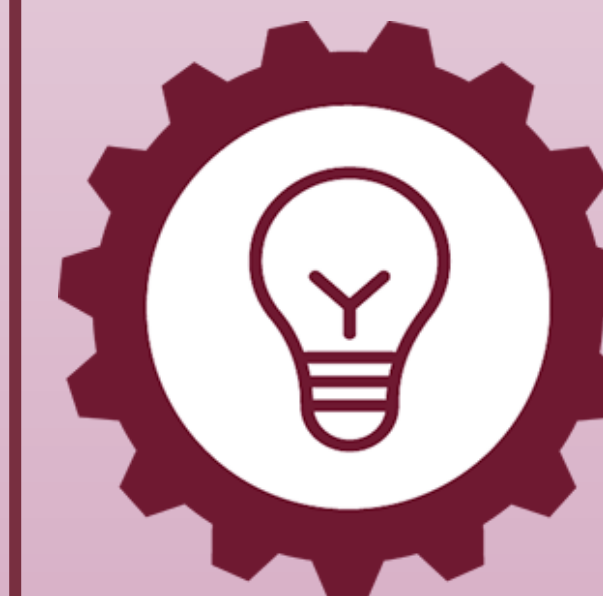
- We can help you translate your research into an experiential form.
- We can connect you with a broad network of creative professionals
- We can find crossover in our research and collaborate to make something new.

How You Can Help Me

- We lost our space and need to find a new home!
- Looking for expertise in bio-feedback, data visualization, bio-printing, sound engineering, surveillance, grant-writing, and other topics.



Building interdisciplinary connections.



Developing new ideas and partnerships.



Shayok Chakraborty

Computer Science
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My Interest in Community

- Develop assistive technology solutions for individuals with a variety of disabilities to improve their quality of life
- Collaborate with domain experts to identify unique challenges in any application domain and develop novel AI solutions to address them
- Submit collaborative research proposals to external funding agencies

Research and Projects

Learning with Weak Supervision

- Active Learning
- Domain Adaptation
- Deep Learning

Recent Publications

- Active Learning with Subinstance Level Queries for Text Classification (AAAI 2022)
- Deterministic Mini-batch Sequencing for Training Deep Neural Networks (AAAI 2021)
- Active Learning with Imperfect Oracles (AAAI 2020)

Research Awards

- Amazon Research Award, 2019
- AWS Machine Learning Research Award, 2019
- NIH Award on AI for Adherence Prediction, 2019

Expertise/Interests

- Machine Learning
- Computer Vision
- Assistive Technology

How I Can Help You

- Write collaborative grant proposals on the general theme of AI, to external funding agencies
- I can help with statistical data analysis and pattern mining

How You Can Help Me

- I am looking for challenging problems in any application domain where AI can be applied. You can help me identify such challenges

My Interest in Community

Research and Projects

Expertise/Interests

How I Can Help You

How You Can Help Me



Michael Core

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<https://bit.ly/2WEtc6H>

My Interest in Community

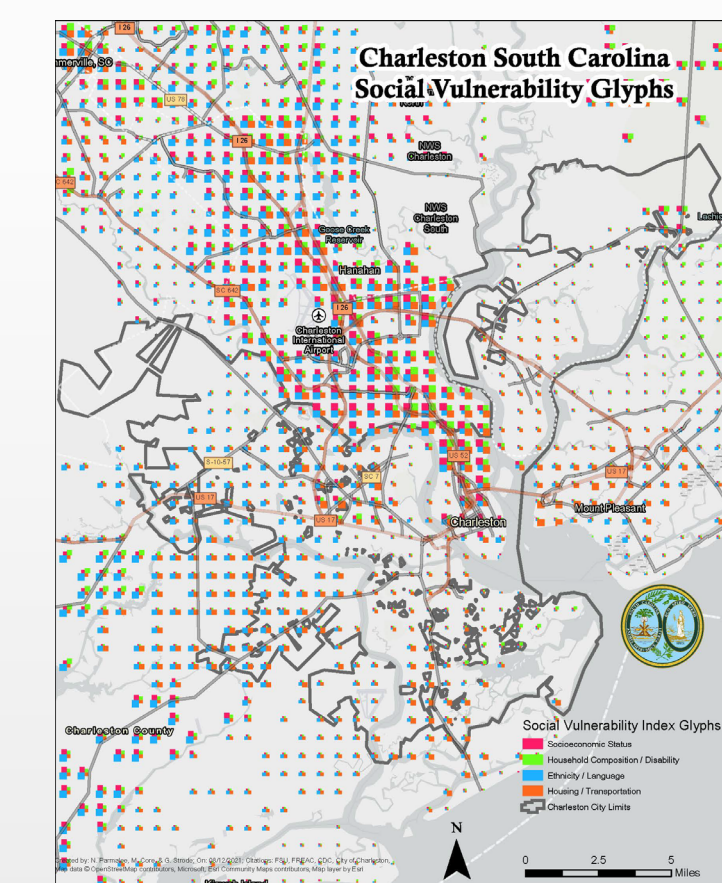
- Researching and analyzing relationships between community demographics, populations, and the built and natural environment.
- Planning and implementing projects designed to increase resilience during significant storm events.
- Developing web-based maps for local and state governments and search and rescue teams based on population estimates and social vulnerabilities.

Research and Projects

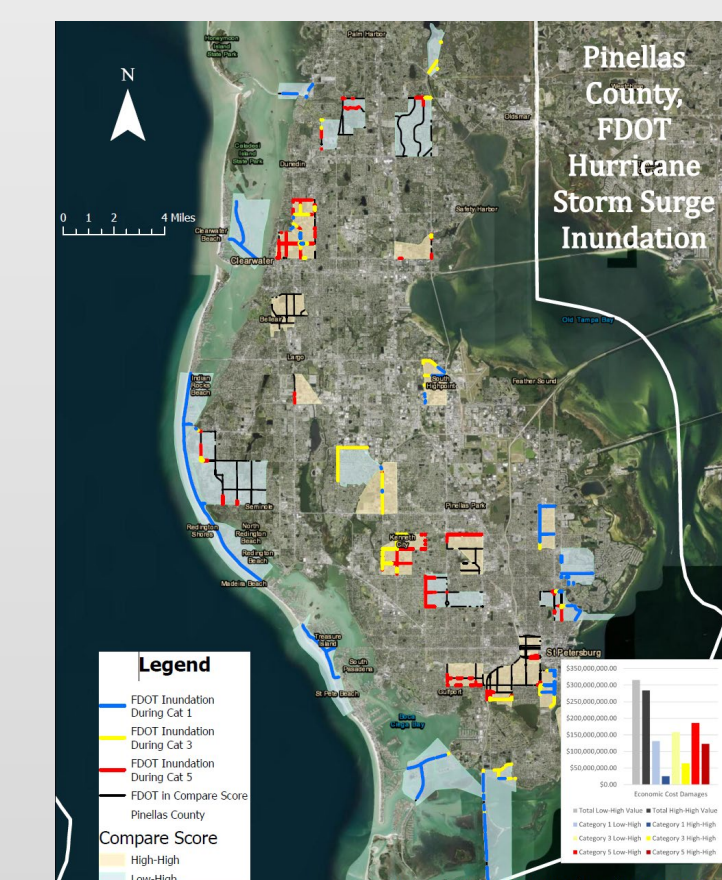
Florida Resources & Environmental Analysis Center

I am the Application Developer Designer for FREAC at FSU. We conduct research, model data, develop web-based and database solutions, and offer technical assistance. We specialize in demographics, population estimates, and environmental analysis.

- Social Vulnerability Glyph Maps



- FDOT Hurricane Economic Impact



Expertise/Interests

- Geographic Information Systems
- Remote Sensing
- Hurricanes
- Vegetation
- Application Development
- Maps
- Data Modeling

How I Can Help You

- GIS Analysis
- High-Resolution Gridded Data
- Data Analysis
- Data Modeling and Projections
- Web-based Maps & Apps

How You Can Help Me

- FEMA Funding
- Emergency Management
- Research Projects
- Local Community-Based Resilience Projects



Vanessa Dennen

Instructional Systems & Learning Technologies

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My Interest in Community

- I'm interested in how people interact within online communities in pursuit of shared interests, informal learning, and social support.

- <http://studentsocialmediaschools.com>



Research and Projects

Students, Social Media & Schools

I co-lead the Students, Social Media & Schools (SSMS) Research Group with Dr. Stacey Rutledge. Our work explores the teenage social media ecosystem and how social media fits into everyday life, contributes to informal learning, supports resilience, and intersects with schools as systems.

Networked Knowledge Activities

This research group explores how networked knowledge activities and personal learning networks are developed and used to support informal learning and professional development.

Other projects:

- Intersubjectivity in online communication
- Social media and emotions

Expertise/Interests

- Social media
- Informal learning
- Knowledge management
- Online learning and OER

How I Can Help You

- Qualitative research skills
- Social network analysis
- Emerging technologies and social media platforms
- Instructional design & development

How You Can Help Me

- Let's collaborate!

All Research Profiles Available at:

collaborativecollision.research.fsu.edu



James Du

The Department of Sport Management/SHED

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<https://orcid.org/0000-0001-7422-9615>

My Interest in Community

- Wearable connected fitness technology and physical activity at the population/community level
- Health capacity of community-based participatory sporting events
- Older adults' physical activity and health care costs
- Sport spectatorship and life satisfaction

Research and Projects

- Corona-pandemic, physically active leisure and mental health in the U.S. funded by the FSU Office of Research Collaborative Collision Seed Fund COVID-19 Program
- The dualism between Esports and mental health funded by the College of Education Dean's Circle Catalyst Grant and Janet B. Parks NASSM Research Grant

Expertise/Interests

- Marketing intelligence and consumer behavior in leisure, sports, and recreation
- The interdisciplinary studies between sport management and public health
- Applied big data analytics in sports, leisure, and recreation

How I Can Help You

- Community-based and intercollegiate sport programs
- Consumer intelligence in leisure, sports, and recreation
- No. 1 Sport Management Program in the nation

How You Can Help Me

- Intervention research
- Community-based intervention program evaluation
- Knowledge and expertise in randomized controlled trials

- Student-athletes' psychological well-being related to the NCAA Name, Image, Likeness (NIL) bill and rights funded by the ACC Center for Research in Intercollegiate Athletics





Kelly Farquharson

School of Communication Science and Disorders

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My Interest in Community

- Identifying dyslexia early in children – particularly those with speech and language impairments
- Ensuring that service providers (e.g., speech-language pathologists, classroom teachers, building administrators) have the training necessary to support children with reading disorders
- Connecting with others who are interested in supporting and empowering (elementary) school practitioners

Research and Projects



Children's Literacy and Speech Sound Lab

- Children's Literacy and Speech Sound (CLaSS) Lab director
- The mission of the lab is to help children with speech and language impairments achieve classroom success
- Current projects:
 - Speech-language pathologists job satisfaction related to COVID-19 School Closures
 - Dosage in speech sound therapy sessions
 - Shared book reading training for SLP-Assistants and paraeducators

Expertise/Interests

- Dyslexia
- Service delivery to children with reading, speech, and language disorders in schools
- Implementation Science
- Classroom success for children with speech and language impairments

How I Can Help You

- Implementation Science mindset
- Survey design and dissemination
- Access to speech-language pathologists
- Expertise in reading, speech, and language disorders
- Social media outreach

How You Can Help Me

- Grant writing
- Access to school systems
- Quantitative statistical analysis



Arienne Ferchaud

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My Interest in Community

- I have an interest in connecting with community partners for both research and teaching
- I want to become more involved in public scholarship
- I want to connect with others, particularly in the realms of new and emerging media

Research and Projects

- I explore the intersection of emerging media technologies and entertainment media. I've done work on:
 - Social media
 - Binge watching
 - Video Games
- Recent Publication Topics:
 - YouTube and Parasocial Relationships
 - Video Games and Mental Health
 - Antecedents and Consequences of Binge Watching Behavior

Expertise/Interests

- Experimental research methods
- Media Psychology
- Emerging Media Entertainment
- Statistics

How I Can Help You

- Assist with study design
- Statistical analysis, including structural equation modeling
- Proposal editing
- Experience managing research teams

How You Can Help Me

- Collaborative grant opportunities
- Grant writing
- Inter-department coalition-building
- Public scholarship



Charles Fleischer, MD

Department of Family Medicine & Rural Health

Director - Center on Global Health

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My Interest in Community

- It takes a whole community to create effective change. Under this philosophy, the Global Health Collaboration Project (GHCP) was developed. GHCP is a multi-disciplinary, interinstitutional, and international global health collaborative project focusing on benefiting rural populations in Honduras. Our primary objective is to enhance the health of rural Hondurans via culturally cognizant and well-researched interventions that are feasible, scalable, and sustainable, while mitigating any possible harm. Our ultimate goal is the adoption of the infrastructure created by the local stakeholders and to empower local communities in navigating their unique health needs. The secondary objective is to create a rich student experience within the realm of Global Health by providing ample opportunities for publications, grant writing, poster presentations at national conferences, abstracts, and scholarships / recognition in a collaborative team under multiple faculty supervision. Ultimately, we hope to empower our students to fill the role of the next generation of global and rural health leadership.

Research and Projects



I serve as one of the Principal Investigators for the Global Health Collaboration Project. I also serve as an advisor board member for the Center for Global Health Initiatives for the American Academy of Family Physicians.



<https://globalhealthfsufam.wixsite.com/my-site/projects>

Expertise/Interests

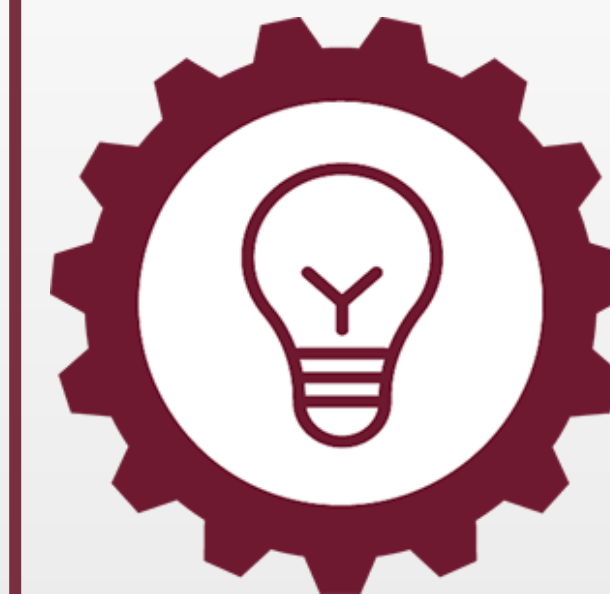
- Global Health Research
- Rural Health
- Family Medicine
- Interdisciplinary Team Development
- Teaching

How I Can Help You

- Research experience in Global Health and Family Medicine
- Organizational development
- Stakeholder relationship building
- <https://orcid.org/0000-0002-8391-4240>

How You Can Help Me

- Lending your expertise to an interdisciplinary group of students from primarily FSU and FAMU to approach preventive diseases in rural Honduras
- We NEED faculty advisors for each of our focused research teams
- Connecting to WHO/PAHO
- Grant writing / Biostatistical training for both faculty and students



Developing new ideas creating new partnerships.



Accelerating teams towards creativity and innovation.

My Interest in Community

Research and Projects

Expertise/Interests

How I Can Help You

How You Can Help Me



Heather Flynn, PhD

Behavioral Sciences and Social Medicine

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My Interest in Community

- Working with communities, agencies and organizations to integrate mental health and substance use treatment
- Health services and treatment research aimed at improving perinatal and maternal behavioral health outcomes
- Behavioral Health integration in primary care, including obstetrics and pediatrics
- Behavioral health data integration

Research and Projects

- *Implementation of Pediatric Behavioral Health Integration*
- *Maternal Behavioral Health Integration in obstetrics*
- *Psychological and Medical Factors in Pain and Opioid Use in Orthopedic Practice*

Partners:

- FL Dept. of Health
- Whole Child Leon
- Mental Health Council of Big Bend
- Healthy Start
- FL Maternal Mental Health Collaborative

Expertise/Interests

Mental Health Engagement and Treatment

Perinatal Behavioral Health

Community Partnerships

How I Can Help You

- Liaison with mental health entities locally/nationally
- Mental health related research questions and projects
- Maternal-Child related research
- Training in psychiatric treatment

How You Can Help Me

- Linkage with biostatistics faculty
- Connection with obstetrics practices throughout the state



Joe Frascella, PhD

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My Interest in Community

- Helping to create collaborative clinical and translational research teams, particularly with Tallahassee Memorial HealthCare (TMH) partners
- Helping to build research teams that could apply for NIH, NSF, or other federal funding opportunities
- Helping with research opportunities to conduct innovative studies related to health technology, AI, big data analytics, etc., that can help to transform health care in our community

Research and Projects

- Building a strong clinical and translational research partnership between FSU and TMH and beyond
- To increase the NIH funding at FSU and TMH

Expertise/Interests

- Collaboration
- Interdisciplinary teams
- Clinical and Translational Research
- Neuroscience
- Substance abuse and addiction
- Aging
- Music and health
- Program development

How I Can Help You

- Provide insights into the NIH grant process
- Provide successful tips and traps in grant writing and navigating the NIH
- Provide advice on career development

How You Can Help Me

- By being willing to collaborate and collide



Brian Graves

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My Interest in Community

- Translating academic research into publicly accessible and engaged forms such as PSA's, documentaries, and social media that can reach broader audiences.
- Connecting with researchers and other creative faculty at FSU who are interested in doing work that addresses real world problems and has social impact.
- Research and creative work that involves collaboration with non-academic communities and organizations.

Research and Projects



• <https://vimeo.com/660168898>

• Password: sunflower



• <https://vimeo.com/349133437>

• Password: mansfield



• <https://vimeo.com/120254742>

• Password: louis

Expertise/Interests

- Writing, producing, directing and editing non-fiction media.
- Developing targeted media strategies.
- Publicly engaged research and creative work.

How I Can Help You

- Grant writing, fundraising, and budgeting, particularly for projects with public outreach components.
- Assembling media production teams and resources.
- Developing and producing public outreach media.

How You Can Help Me

- Collaboration on grant writing.
- Providing intellectual and creative opportunities for my undergraduate students in the digital media production major.
- Trading ideas



Laurelin Haas

Sustainable Campus
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My Interest in Community

- Sustainable Campus is the Office of Sustainability at FSU (located in the Facilities Department)
- Four Areas of Interest: 1) Climate Action, 2) Waste Minimization, 3) Resource Stewardship, 4) Education for Sustainability
- Programs that connect Sustainable Campus to the broader community: Campus as a Living Lab, Sustainability Fellows, Chuck it for Charity, Food Recovery Network, Seminole Organic Garden
- Seeking to work alongside greater campus efforts and operations to advance educational efforts and community outreach

Research and Projects



The **Green Fund** provides small grants to FSU students, staff, and faculty pursuing sustainability projects that benefit the FSU community.



Campus as a Living Lab connects faculty with campus and community partners through for applied sustainability research projects.



The **Green Office program** helps FSU employees identify ways to make their workplace more sustainable and recognizes sustainability achievements.

Expertise/Interests

- Sustainability and environmental justice
- Campus-community partnerships
- Small grant funding
- Green Office program

How I Can Help You

- Highlight your work in SC communications
- Connect to local nonprofit and government organizations
- Connect to FSU Facilities
- Provide grant funding for sustainability innovations

How You Can Help Me

- Share details of your work for STARS reporting
- Provide expertise in sustainability dialogues
- Join our network of sustainability faculty/researchers
- Allow me to help you!

All Research Profiles Available at:

collaborativecollision.research.fsu.edu



Shannon Hall-Mills

Communication Science & Disorders

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My Interest in Community

- Evaluating and promoting the roles & responsibilities of Speech-Language Pathologists (SLPs) within the school community, including for literacy
- Exploring outcomes for both service providers & service recipients (e.g., therapists and clients)
- Enhancing public awareness of & children’s access to services for the most common neurodevelopmental condition in children: Developmental Language Disorder (DLD)
- Dissemination of evidence-based practices & resources
- Connecting with other faculty & programs with a community focus

Research and Projects

My research focuses on oral and written language development and disorders in school-age children and adolescents, and school-based practices in speech-language pathology. I aim to improve the accuracy of assessment and effectiveness of intervention for language and literacy difficulties in children and adolescents. I’m also interested in the effects of educational policy on practice patterns for speech-language pathologists and outcomes for children with communication disorders.

Expertise/Interests

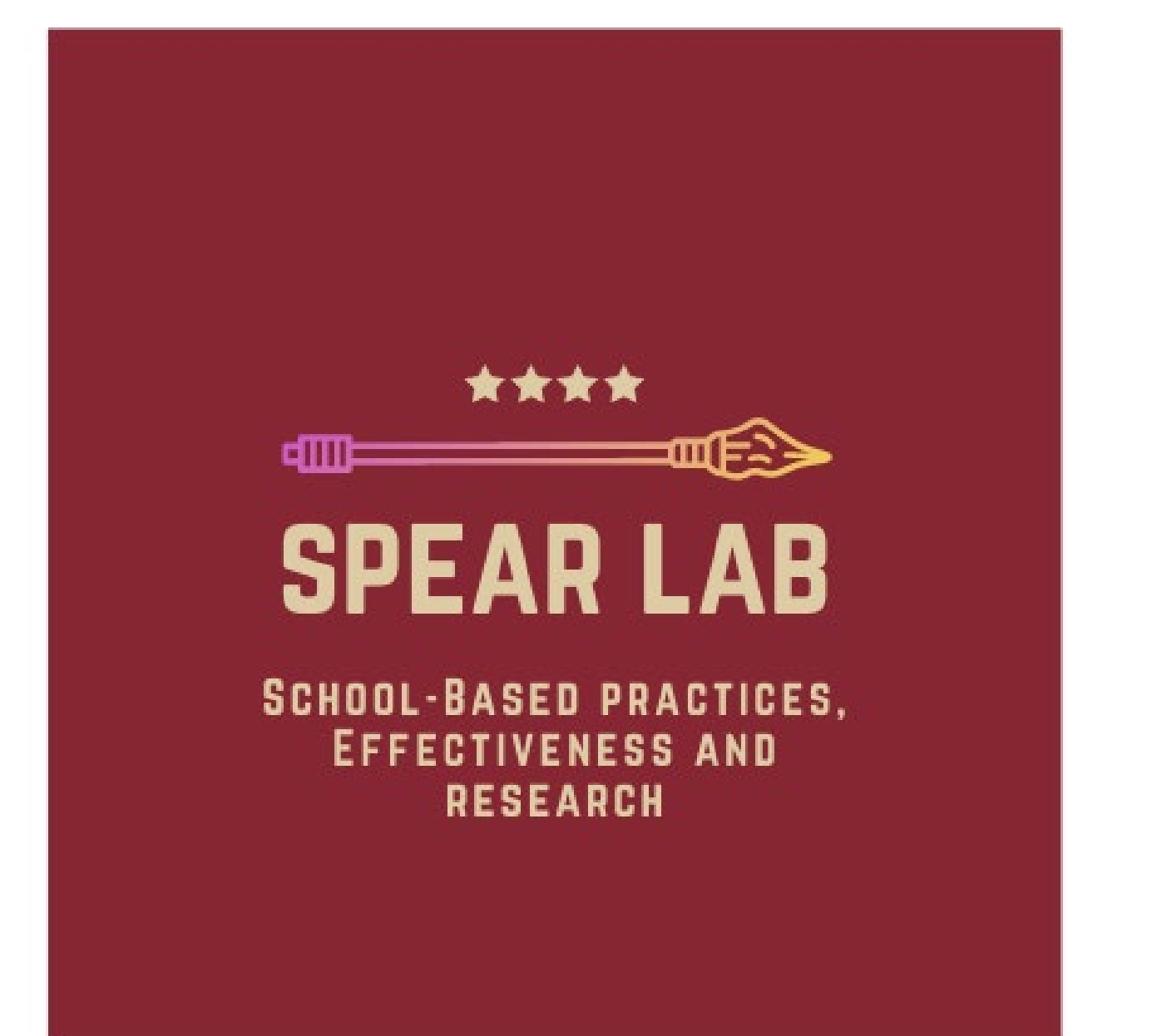
- Speech-language pathology & Special education
- Identification and treatment of communication disorders in childhood & adolescence
- Oral and written language development and disorders
- School outcomes for children with DLD

How I Can Help You

- Quasi-experimental & survey projects
- Assessment & intervention protocols
- Collaborative, inter-disciplinary writing
- Professional development
- Collaboration with schools

How You Can Help Me

- Mixed Methods & Qualitative methodology
- Grant proposal development
- Student and professional outcomes measurement for Special Education and Related Services





Zhe He

School of Information

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My Interest in Community

- Building AI/informatics tools/methods for patients, clinical trial designers, and clinicians
- Identifying collaborators to building interdisciplinary research teams to compete for external funding
- Connecting with researchers who are enthusiastic for translating research into impact on healthcare and clinical research

Research and Projects

- SHARE Program: Innovations in Translational Behavioral Science to Improve Self-management of HIV and Alcohol Reaching Emerging Adults (P01AA029547). PI: Sylvie Naar
- Optimizing Alzheimer's Disease Clinical Trial Generalizability (R21AG061431-02S1, 2019-2022): PI: Zhe He
- The Adherence Promotion with Person-centered Technology (APPT) Project: Promoting Adherence to Enhance the Early Detection and Treatment of Cognitive Decline (R01AG064529, 2019-2024): PI: Walter Boot
- Systematic Analysis of Clinical Study Generalizability Assessment Methods with Informatics (R21AG061431, 2019-2022) PI: Zhe He

Expertise/Interests

- Biomedical and Health Informatics
- Health Data Analytics
- Machine Learning / Deep Learning
- Natural Language Processing

How I Can Help You

- Grant writing
- Access to electronic health records (MIMIC III/IV, OneFlorida Data Trust, ..)
- Informatics methods and tools

How You Can Help Me

- Domain expertise on specific health problems
- Connect with end users of the informatics tools in the communities



Will Hill

The RIDER Center

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[linkedin.com/in/will-hill-writer/](https://www.linkedin.com/in/will-hill-writer/)

My Interest in Community

- Supporting the Center for Resilient Infrastructure and Disaster Response (RIDER) which is focused on bringing equitable disaster resilience to vulnerable communities.
- Working with communities to co-create innovative solutions to infrastructure and disaster challenges.
- Learning from communities and developing a more informative dialogue about critical issues they face.

Research and Projects



- Water Sustainability and Coastal Hazards
- Resilient Materials and Structures
- Advanced Operations Research and Resilience Applications
- Sustainable Infrastructure Management
- Methane Emissions Reduction

Expertise/Interests

- Strategic Development
- Community Engagement
- Creative Collaboration
- Combining arts and engineering

How I Can Help You

- Connecting with community stakeholders in the Florida Panhandle
- Connecting with students/faculty for collaboration
- Providing RIDER resources and expertise

How You Can Help Me

- Improve my connections with Gulf Region communities.
- Collaborate on climate change infrastructure resilience projects.
- Combine artistic talent with engineering/planning



Roxanne Hughes

National High Magnetic Field Laboratory/FSU College of Education
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orcid.org/0000-0002-6383-1341

My Interest in Community

- Identifying ways to make STEM communities more equitable and inclusive to individuals in our community, particularly those from marginalized populations
- Facilitating change within STEM disciplines to help STEM mentors and educators understand and embrace a more diverse STEM community
- Empowering young people to change STEM disciplines through social justice education programs where their voices, concerns, and passions drive the work

Research and Projects



- I study how programs influence changes in STEM identity in individuals. I'd like to determine how these individual level changes lead to STEM community level changes.
- I have a network of colleagues within the STEM community who are interested in or working towards changing STEM to be more inclusive and innovative.

Expertise/Interests

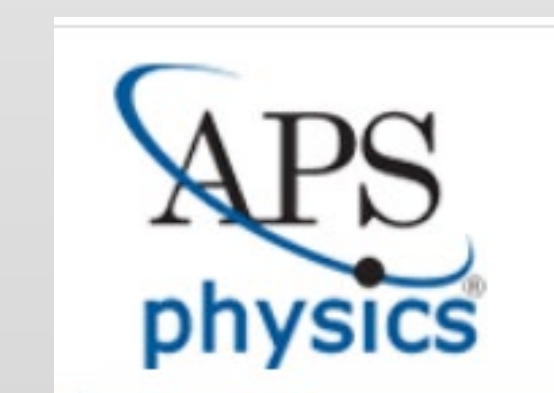
- Qualitative Research
- STEM Identity – one's sense of belonging and future success
- Intersectionality – unique experiences for individuals with multiple marginalized identities

How I Can Help You

- Opportunities to explore STEM educational programs (K-16, graduate student, postdoc) influence on the STEM community

How You Can Help Me

- I am looking for folks who can help me connect program effects at the individual level to changes at the community level.





Greg Jones

College of Music

Greg.Jones@fsu.edu

[Linkedin.com/in/Gregory-Jones-37001a4](https://www.linkedin.com/in/Gregory-Jones-37001a4)

My Interest in Community

- Outreach and Engagement using the Arts
- Conversations about our society and culture focused on activities to increase understanding and cooperation.
- Working with young people to reimagine their futures and instill optimism.
- Helping people suffering depression and anxiety in our current society.

Research and Projects

- Musical events that engage with performance and connection.
- How music increases brain function and ability in non-musical areas.
- Music and its positive impact on mental health.
- Fostering support for arts programs in underserved parts of our community.

Expertise/Interests

- Music Performance and Teaching
- Using Social Media for better connection.
- Supporting events in the arts that engage the diverse people in our community.
- Sharing how music and the arts enrich lives.

How I Can Help You

- Provide music and musicians for events.
- Help with organization of community projects.
- Connect with first generation college students.

How You Can Help Me

- Connect with community leaders and organizations.
- Collaborate on activities that enrich our sense of community.



Amy Kim

Dept. of Sport Management
Co-director | Center for Sport, Health, and
Equitable Development
kamy@fsu.edu
<https://orcid.org/0000-0002-0443-6851>

Expertise/Interests

- Sport participation and mental/social health
- Social/behavioral epidemiology
- Applied statistics
- Social network analysis

My Interest in Health

- Building interdisciplinary teams to develop prevention/intervention research: the effectiveness of sport participation on individual's psychological/mental/social health (internal/external grants)
- Collaborating with scholars to test and evaluate the role of sport participation on individual and community health
- Collaborating with scholars to translate sport engagement research into societal impact
- Applying big data analytics to investigate the role of sport participation on individual and community health

How I Can Help You

- Connection to local non-profit and government organizations
- Coordinate and facilitate effective collaboration among interdisciplinary teams
- Research expertise in sport-based interventions, applied statistics, social network analysis

How You Can Help Me

- Collaborate with me to test and evaluate the effectiveness of sport participation on individual and community health

Research and Projects

My primary research inquiry aims to:

- (1) examine the effectiveness of sport participation on individual's social, psychological, and mental health outcomes from a social epidemiological perspective,
- (2) develop evidence-based interventions to promote sport participation and participants' social/psychological/mental health and well-being
- (3) Apply big data analytics to investigate the role of sport participation on one's health and well-being at the individual and community levels.

Recent Proposals/Publications:

- RRF
- NIH
- FSU CRC PG, MDS, COFRS
- Collaborative Collision: COVID-19

All Research Profiles Available at:

collaborativecollision.research.fsu.edu



Tom Ledermann

Human Development and Family Science

tledermann@fsu.edu

<https://orcid.org/0000-0002-4976-6942>

My Interest in Community

- Dissemination of mindfulness and compassion techniques.
- Conducting mindfulness and compassion trainings for individuals and couples.
- Evaluation of community programs.

Research and Projects

- Evaluation of the Compassion for Couples Training.
- Development and evaluation of a genuine happiness training.
- Development and validation of the Relational Cultural Intelligence.
- Mentoring the development and validation of an Affirmative Consent Training.
- Running of Power Simulations for longitudinal models.

Expertise/Interests

- Designing and evaluating evaluation studies.
- Mediation and Moderation Analysis.
- Longitudinal Data Analysis.
- Relationship Functioning.
- Mindfulness and Compassion.
- Dyadic Data Analysis.

How I Can Help You

- Data Analysis
 - Structural Equation Modeling
 - Multilevel Modeling
 - Survival Analysis
- Conducting mindfulness trainings.
- Serving as biostatistician on grant applications.

How You Can Help Me

- Recruitment of participants.
- Data collection
- Couple data for retest reliability analysis
- Newlywed datasets
- Collection of family data on shared time



Steven Lenhert

Department of Biological Science

Lenhert@bio.fsu.edu

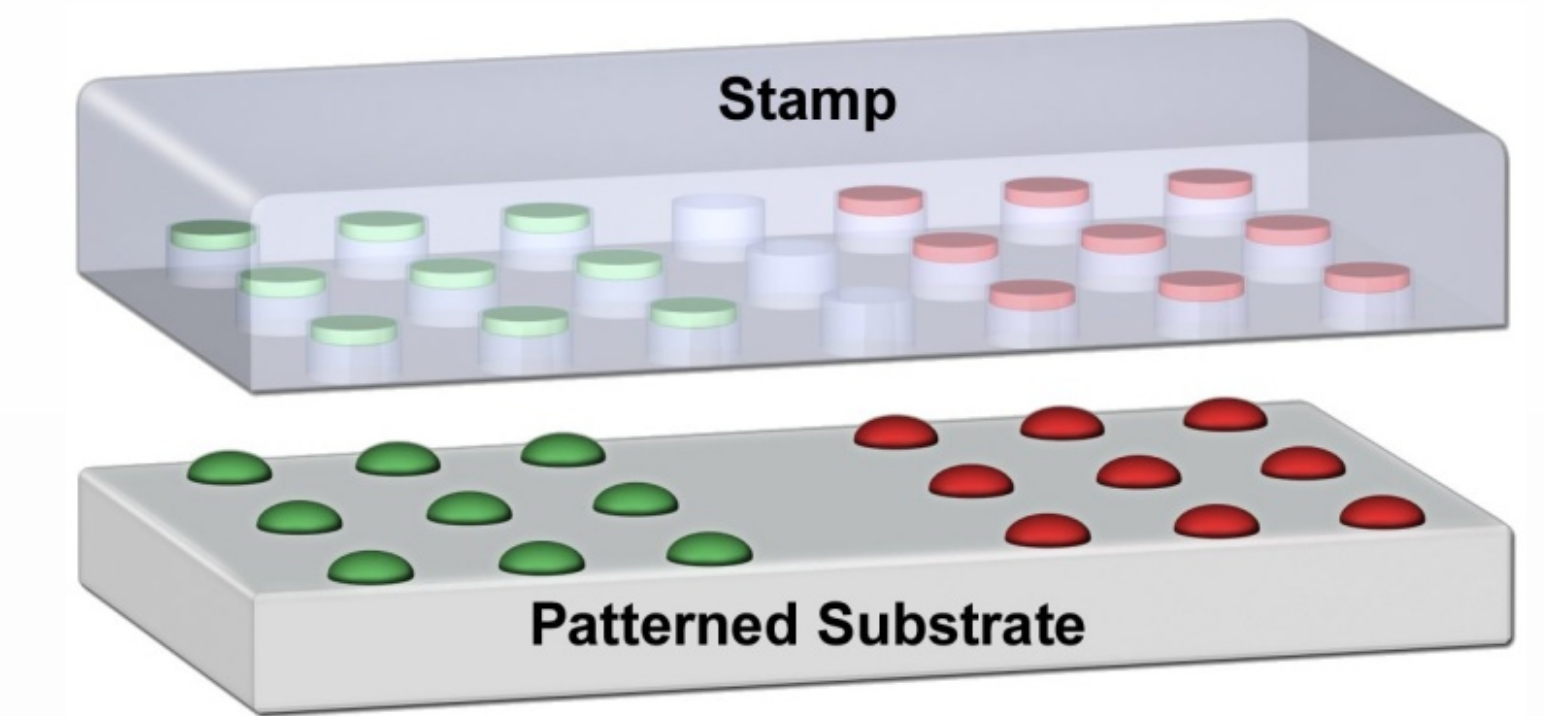
<https://www.linkedin.com/in/steven-lenhert-72170511/>

My Interest in Community

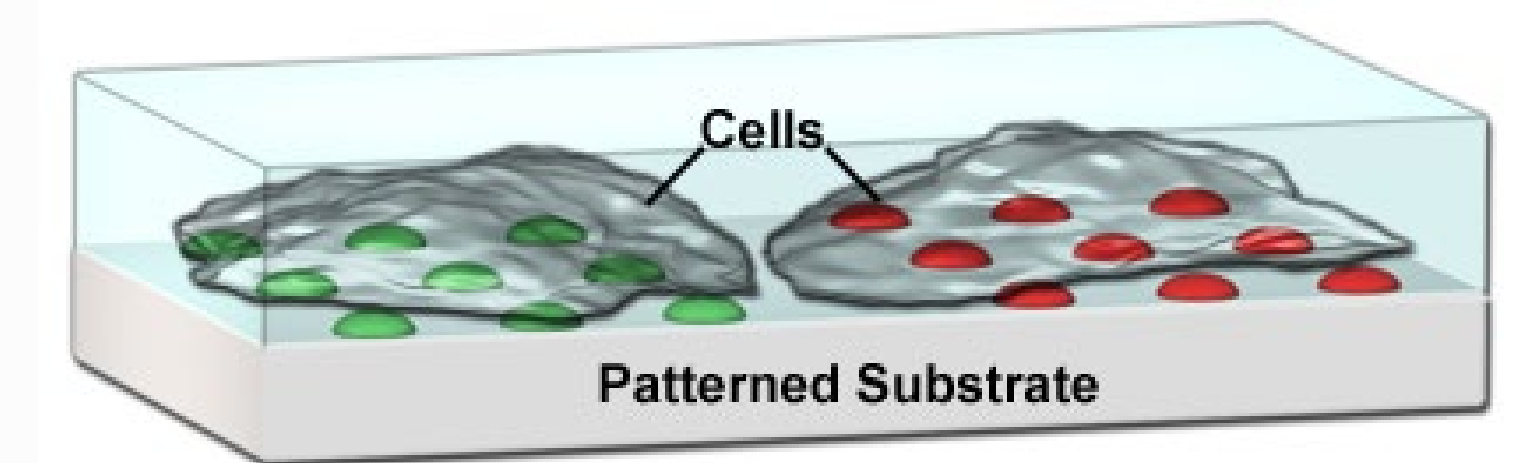
- Solving bigger problems that can't be solved alone, for instance curing disease, energy storage, and basic scientific questions.
- Knowing what important problems are in other fields so I might contribute to them.
- Funding.

Research and Projects

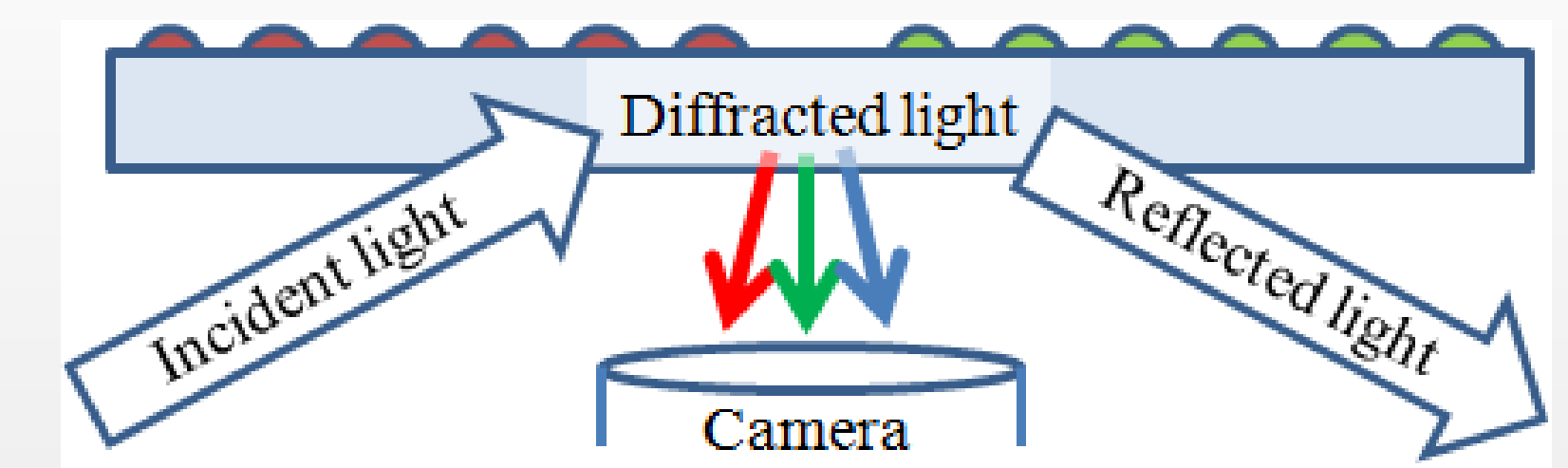
• Nanofabrication



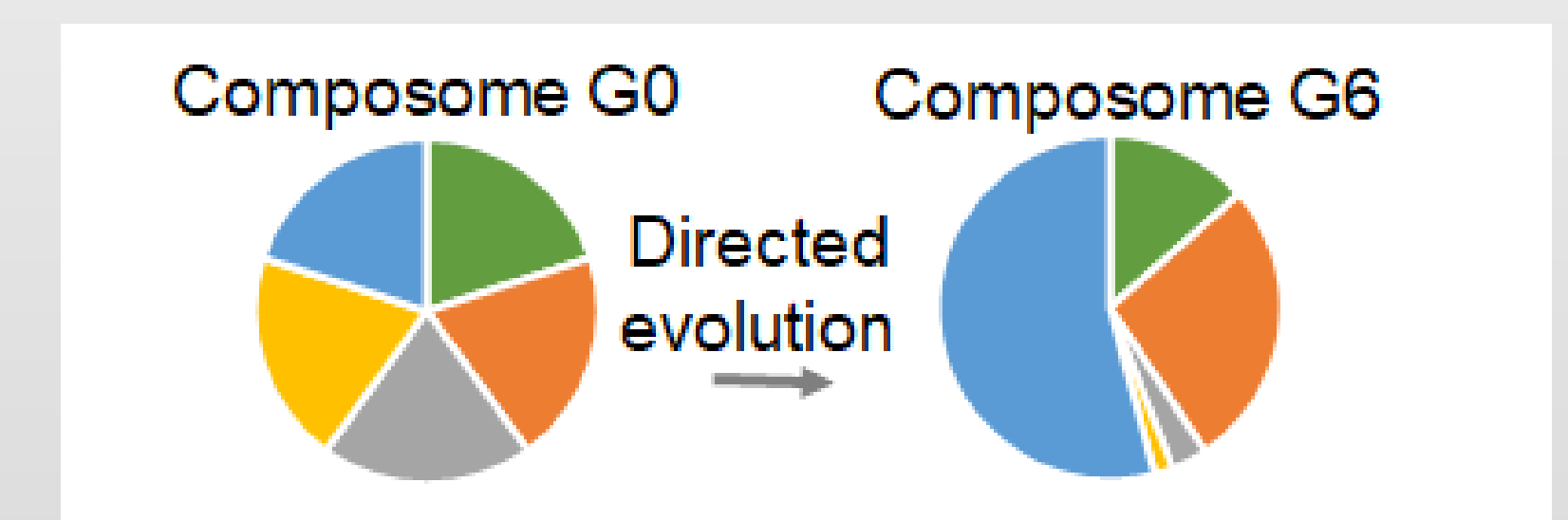
• High throughput screening



• Biosensing



• Combinatorial materials



Expertise/Interests

- Lipids
- Drug discovery
- Biosensing
- Nanotechnology

How I Can Help You

- High throughput screening
- Biomaterial characterization
- Biosensing
- Connection to other biologists

How You Can Help Me

- Identifications of problems amenable to my methods
- Cell-based assays for drug efficacy
- Targets for biosensors

All Research Profiles Available at:

collaborativecollision.research.fsu.edu



Issy Masduki

Innovation Hub

issy@innovation.fsu.edu

<https://www.linkedin.com/in/iskandaria/>

Expertise/Interests

- Instructional design
- Co-curricular program design
- Virtual Reality
- Digital badging
- Design Thinking
- Research

My Interest in Community

- Connect with other individuals at FSU who are interested in the use of emerging technologies such as virtual reality for teaching and learning
- Collaborate on teams to identify grants and develop research proposals
- Connect with other faculty and staff members to collaborate on co-curricula activities and research

How I Can Help You

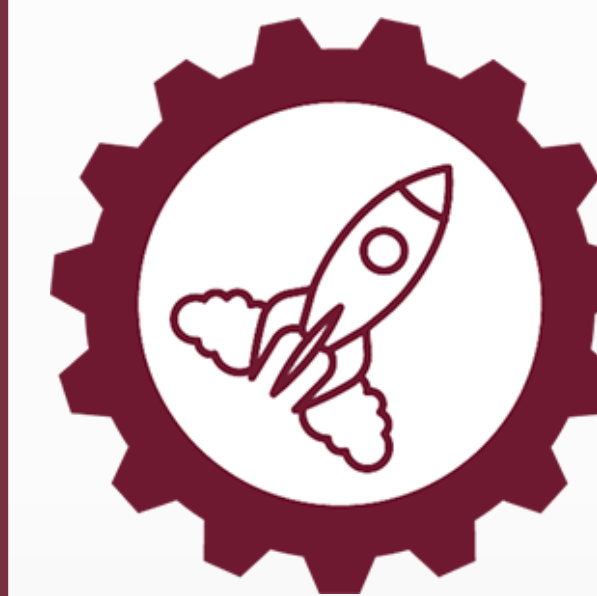
- Connection to student innovators on campus
- Presentations on use of emerging technologies in learning & training
- Experiential learning in 3D design, 3d printing, VR, drones, and other technologies.

How You Can Help Me

- Collaborate on research programs
- Connect me with more innovators on campus
- Expand the Innovation Hub's offerings in experiential learning

Research and Projects

As Assistant Director for Education at the Innovation Hub, I craft engaging learning experiences for FSU students, staff, and faculty members. These include video tutorials, workshops, design sprints, tours, & presentations on emerging technologies.



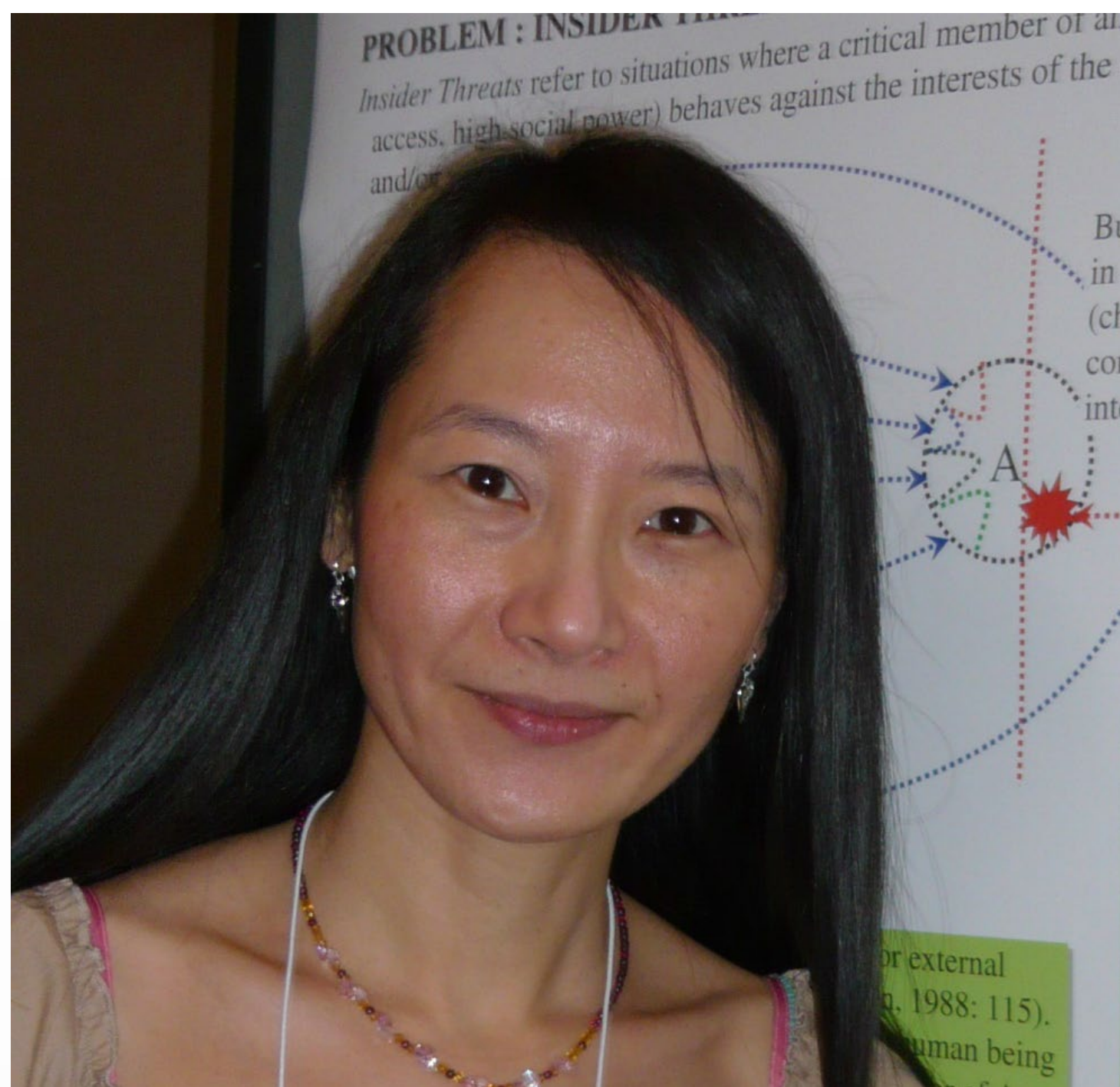
Digital badging system to encourage exploration and acquisition of skills in new technologies



Virtual reality training and collaboration



Connecting student innovators with opportunities



My Interest in Community

- Community represents diversity, a sense of belonging, and social connections, extending the work I do in all directions.
- The interrelatedness of social and technological aspects of community requires a multi-layered approach to investigating the problems, which eventually impacts the stability and safety of society.
- I am a behavioral scientist designing experiments for trusted interpersonal and group interaction research.
- I'm interested in meeting with potential collaborators to explore community research and solutions that are mediated by technology so we can uncover nuances and approaches to strengthen the resilience of the community.

Research and Projects



I founded the iSensor Lab in 2010 to conduct sociotechnical research related to human factors in cyberspace. Experiments are conducted in live and virtual environments using online games. Research data is collected through confined resources. Real-world problems are simulated through interactive scenarios. Problems are conceptualized and theorized through innovative technology design and development.

Recent works:
CV19CommunityDefense: Situational Awareness in a Pandemic through mHealth Intervention



iSensor Lab:
<https://isensoranalytics.com>

Shuyuan Mary Ho Metcalfe

School of Information
 smho@fsu.edu

orcid.org/0000-0002-4790-1821

Expertise/Interests

- Societal issues e.g., trust, disinformation, public health, ethics, privacy, cyberbullying, collective intelligence, social cybersecurity, impacts on society
- Trusted human computer interaction
- Gamification design
- Behavioral experiments

How I Can Help You

- Scenario-based behavioral experiment design
- User-centered interactive system design
- Behavioral computational modeling based on social factors and predictor variables
- Digital health “nudging” research

How You Can Help Me

- Bring your biggest problems
- Access to big datasets and government authorities
- Machine learning, artificial intelligence
- Statistical analysis and modeling
- Coding and programming



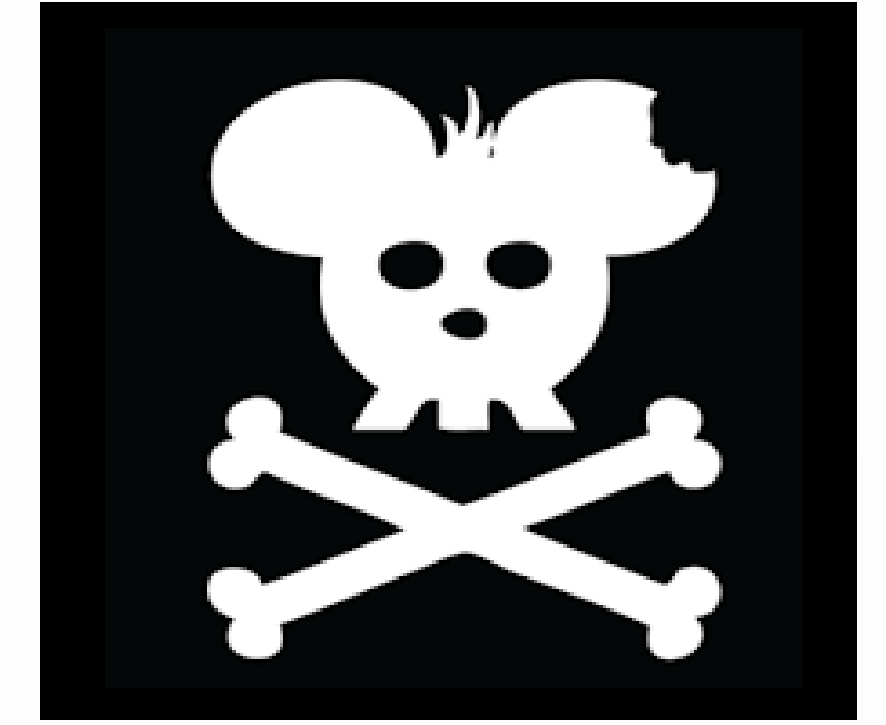
Donna Marie Nudd

School of Communication
& Mickee Faust Club
dmnudd@fsu.edu
www.mickeefaust.com

My Interest in Community

I've balanced town and gown for over three decades in Tallahassee. In addition to being a Professor at FSU, I'm the Executive Director of the Mickee Faust Club in Railroad Square, a "community theatre for the weird community" that specializes in producing original work and accessible Shakespeare.

Research and Projects



Overseeing many small arts sustainability grants received during the pandemic.

Keeping our 35-year-old non-profit theatre alive, after two years with no income from live shows.

Securing the creative team for fall 2022 creative project: a production of an original full-length musical, *The Cursed House of Ravensmadd*, a queer, feminist parody of Gothic fiction featuring a mad "they" in the attic.

Expertise/Interests

- Performance Studies
- Queer Studies
- Gender Studies
- Training Graduate Students to Teach
- Disability Studies
- Literature/Theatre/Video

How I Can Help You

Our non-profit theatre company, which specializes in original work, has a long history of taking community members' stories and translating them into compelling theatre and/or video.

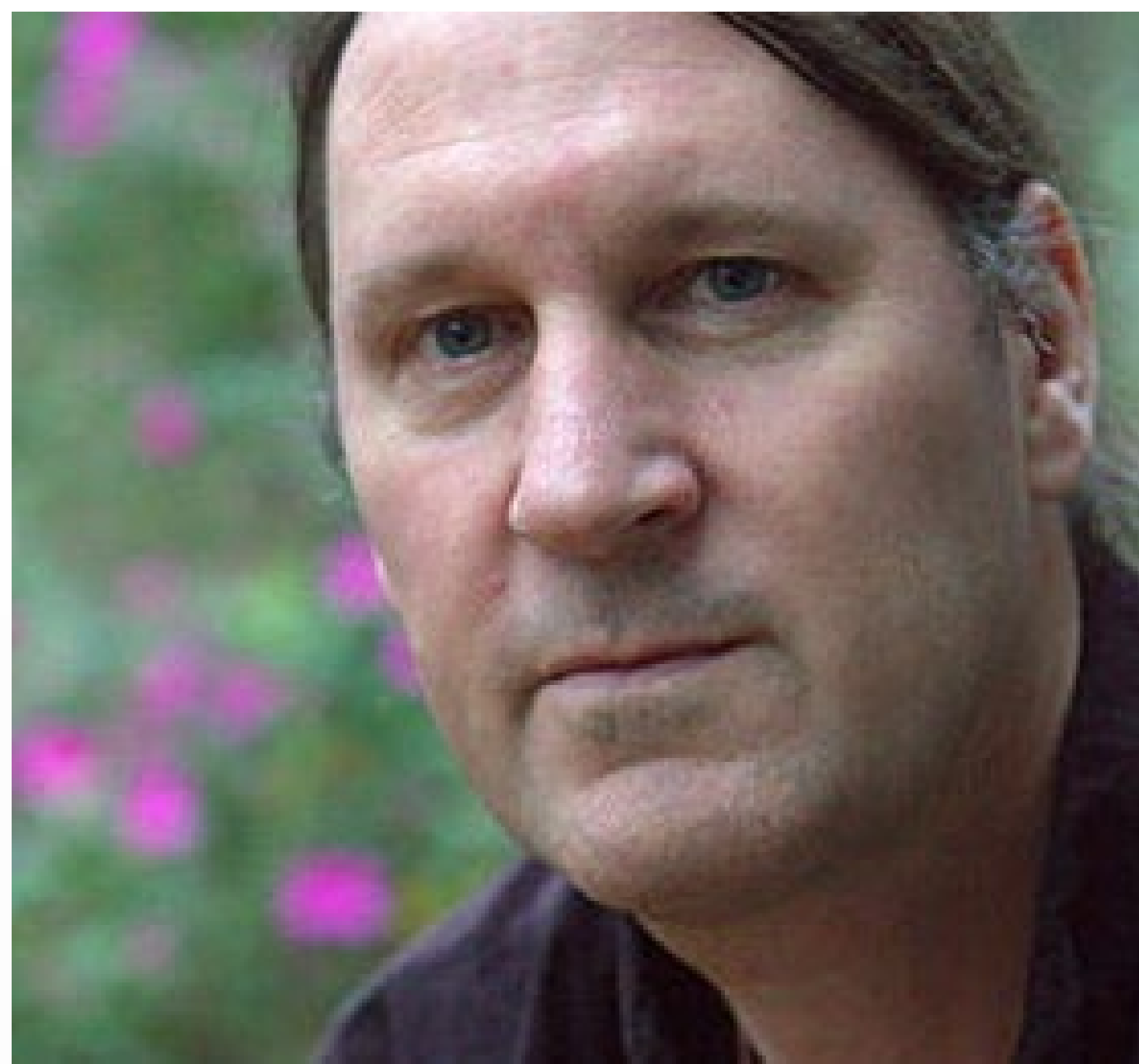
Most of our work has focused on marginalized populations (e.g. queer, disabled, etc)

How You Can Help Me

Soliciting ideas to keep a live theatre company alive during a global pandemic.

All Research Profiles Available at:

collaborativecollision.research.fsu.edu



Andy Opel

Professor, Sch. Of Communication

aopel@fsu.edu

<https://www.andyopel.net/>

My Interest in Community

- Developing visual climate communication media – VR and traditional documentary or short form PSA video
- Building interdisciplinary teams to teach project-based classes in applied climate communication
- Collaborating with researches to test and evaluate visual climate communication media
- Collaborating on interactive, publicly accessible climate communication media.
- Using storytelling to communicate science to the public

Research and Projects

- Climate Witness Project – Norway 2019/20: <https://www.climatewitnessproject.org/>
- Florida Climate Change Collaboration (2019): <https://aopel7.wixsite.com/flcccollaboration>
- Apalachicola River Project (2017): <http://apalachicolariverproject.org/>
- PBS DOCUMENTARY: *Stories From the Apalachicola: An Endangered River* - <https://www.pbs.org/video/stories-from-the-apalachicola-an-endangered-river-nornxg/>

Expertise/Interests

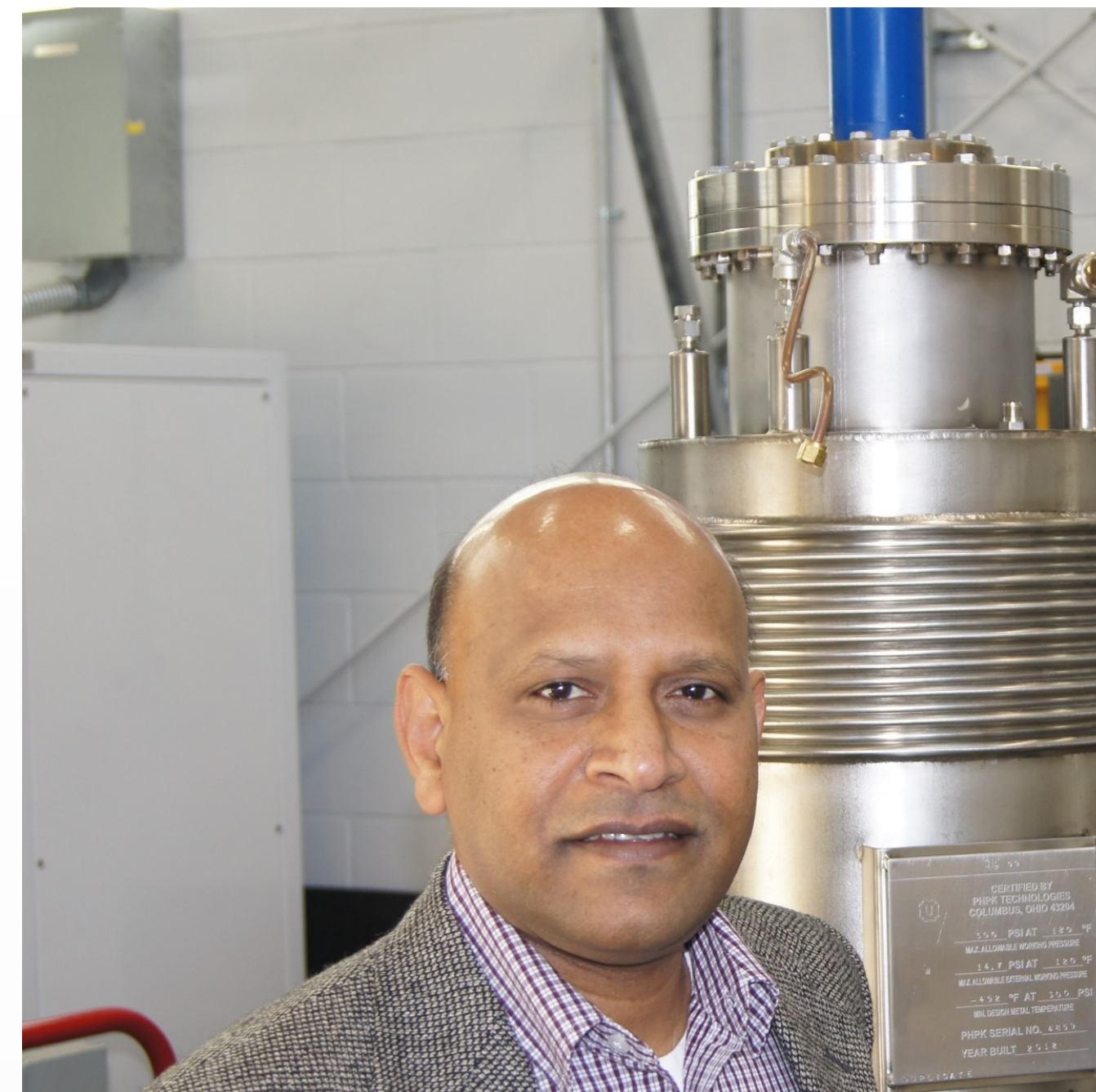
- Documentary Video Prod.
- VR/360 Video Production
- Environmental/Science Communication
- Short form PSA video Production

How I Can Help You

- Shoot and edit video
- Create 360/VR media products
- Assemble faculty/student teams to develop climate comm. media
- Coordinate and facilitate effective collaboration among interdisciplinary teams

How You Can Help Me

- Collaborate on developing immersive media products that address social issues.
- Integrate media into your project – Outreach, Education, Fundraising
- Think Visually



Sastry Pamidi

Office of Research Development

pamidi@eng.famu.fsu.edu

<https://orcid.org/0000-0002-5748-8938/>

Expertise/Interests

- Superconducting Power Devices
- Advanced Electrical Measurements and Instrumentation
- Supporting Small Businesses
- Hydrogen as Future Fuel for Electric Aircraft
- Cryogenic Electrical Insulation

My Interest in Community

- Identifying potential collaborators for large funding opportunities
- Explore opportunities to apply my research expertise and advanced research facilities greater impact
- Connecting with small businesses and industry that will benefit from my expertise
- Identify collaborative opportunities for the faculty in Electrical and Computer Engineering and Center for Advanced Power Systems

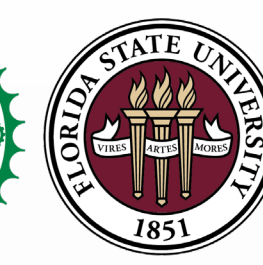
How I Can Help You

- Support in proposals and projects that require my expertise in superconducting and cryogenic devices
- Support small businesses with SBIR/STTR grants
- Support proposals and projects on electric aircraft

How You Can Help Me

- Engage the faculty of electrical and computer engineering department in your proposals
- Provide expertise with AI and ML in our projects
- Collaborate in our efforts to establish a research program in hydrogen

Research and Projects



FAMU-FSU Engineering

Electrical and Computer Engineering

My research in the development of superconducting power devices and related cryogenic electrical insulation systems supported my DOE, ONR, NASA, and APA-E

Electric Aircraft

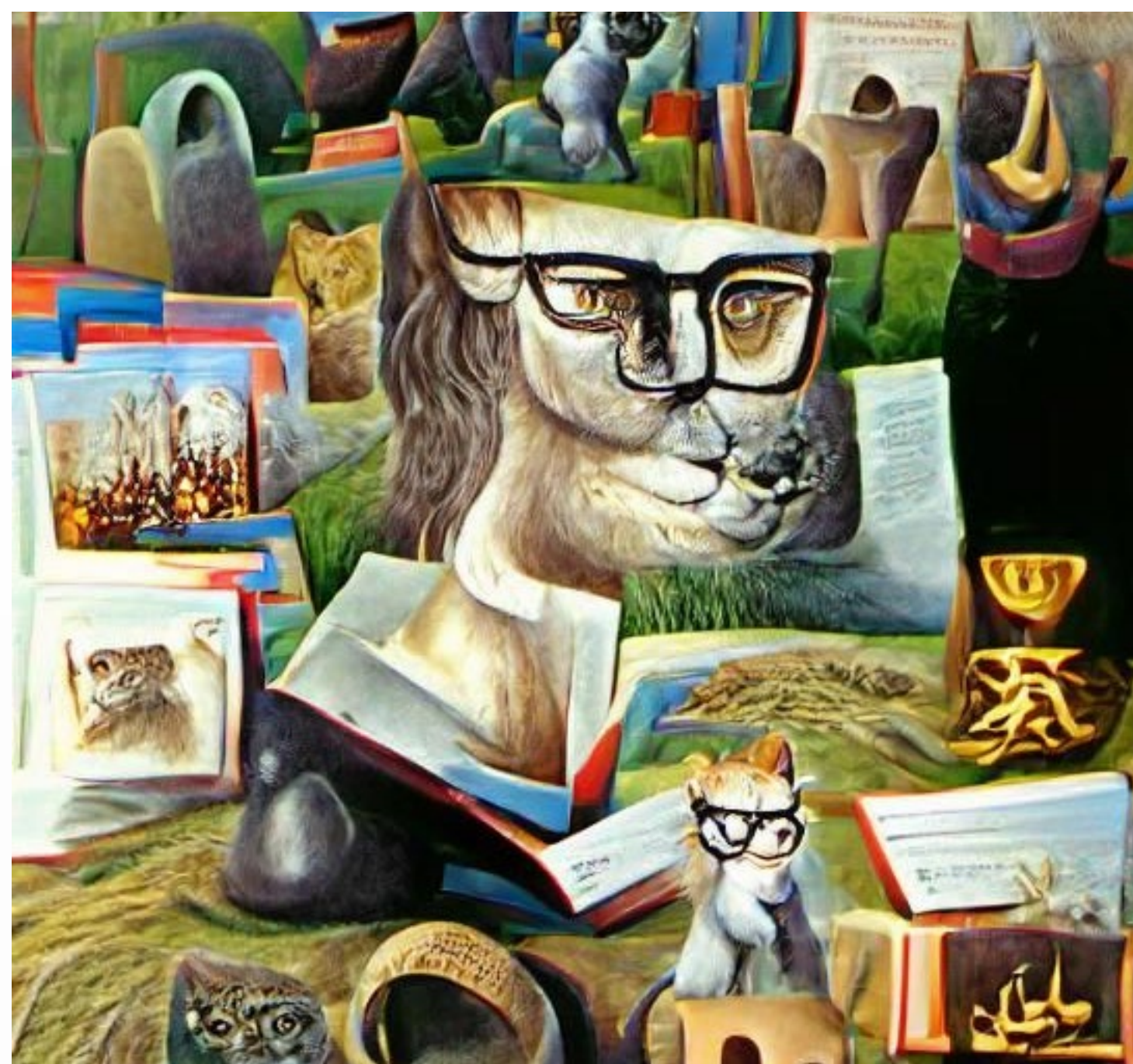
Large integrated cryogenic system

Applied cryogenics and cryogenic circulation systems

Diversity, Equity, and Inclusion in Engineering

Engaging Undergraduates in research

SBIR/STTR projects with multiple small businesses



Keith Roberson

Art Department
 Keith@Art.FSU.edu
 KeefyKat.com

My Interest in Community

- Looking to join collaborative research teams where I can assist with development and production of exhibitions, projects, and projects to compete for external funding.
- Advocate for posthumanism and transhumanism progressive social goals through public media and art.
- Connect with other individuals at FSU who are interested in learning and development of A.I. tools for animation, and interactive media.

Research and Projects

- Science education exhibition design and production
- Interactive visualization design and production
- Virtual Reality artworks built in Unity for Oculus Quest headsets
- Augmented Reality interactive apps for smartphones

Expertise/Interests

- XR media development augmented and virtual reality
- Interactive Exhibition design and production
- Artificial Intelligence in artwork and animation production

How I Can Help You

- Develop workflow for production in AR/VR, media and exhibitions
- 3D model, character and scene construction
- animation, visualization, and interaction workflow

How You Can Help Me

- Connect with grant-based projects and external funding opportunities.
- Develop and pursue funded research that allows me to participate.

- Modeling and 3D scanning workflows for complex and architectural scenes
- Character design workflow and rigging for animation
- Motion Capture for multiple character workflow



Rob Schoen

School of Teacher Education/ LSI
rschoen@lsi.fsu.edu
www.schoenresearch.com

My Interest in Community

1. I do randomized controlled trials of educational interventions in mathematics. Data matters, and scientific rigor is important. But they don't move people in ways that personal stories do. **I want to gather teachers' individual stories about their experiences with CGI and create a way to let their stories be shared.**
2. My lab administers tens of thousands of mathematics tests in a paper-pencil format annually. It is time to convert them to an electronic platform. I have the content and the contacts in schools. **Looking for a partner who has expertise and is willing to work on the technical side.**

Research and Projects

- Replicating the CGI Experiment in Diverse Environments
- Follow Up to the Replicating the CGI Experiment in Diverse Environments Study
- FCR-STEMLearn: Foundations for Success in STEM
- Foundations for Success: Developing Effective Mathematics Educators through Cognitively Guided Instruction

Expertise/Interests

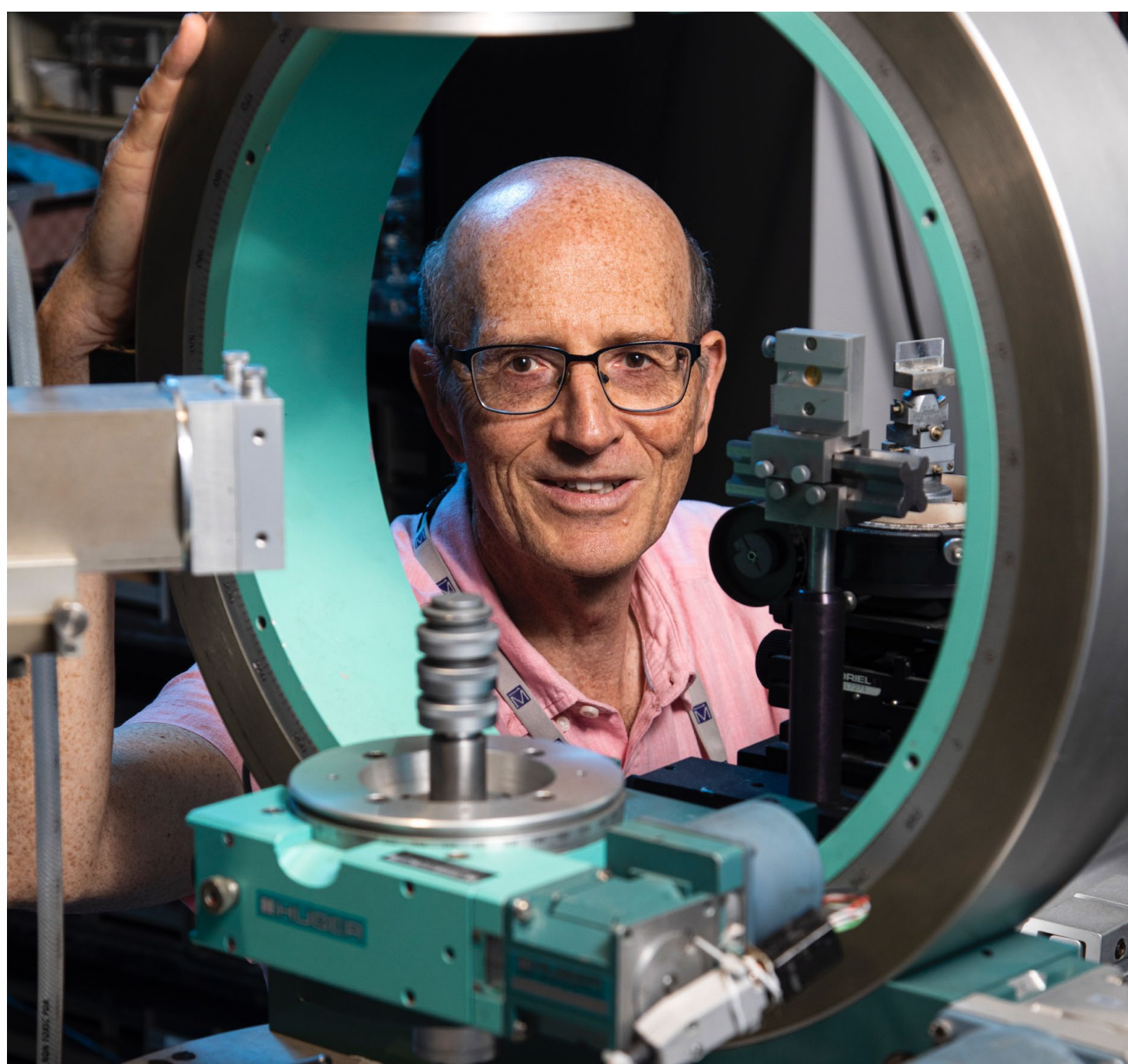
- Mathematics Education
- Cognition in Mathematics
- Randomized Controlled Trials
- Educational and Psychological Measurement

How I Can Help You

- Access to thousands of teachers who have stories about professional transformation through CGI
- Access to tens of thousands of students who will be taking mathematics tests annually

How You Can Help Me

- Gather stories and make them available to the public
- Convert paper-pencil test to an electronic platform, establish access to platform in schools; automate scoring and reporting procedures



Theo Siegrist

Chemical Engineering / NHMFL

tsiegrist@fsu.edu

Orcid:

My Interest in Community

- Provide Expertise in a multi-disciplinary context
- Connecting with individuals and teams to address problems with scientific and societal impacts.
- Building interdisciplinary teams for engineering solutions to problems that are particular to the region.

Research and Projects

- X-ray diffraction at high magnetic fields: We are building an X-ray diffraction system to investigate the changes in a material that is experiencing a high magnetic field (up to 25 Tesla) in a temperature range of 15 to 300 K,
- Magnetism in rare earth materials: We are studying the magnetic properties of rare earth compounds and alloys over an extended temperature range.
- Develop novel 2-dimensional materials that can be used in additive manufacturing, such as 3D printing using specialized inks.

Expertise/Interests

- Materials Science and Engineering
- Crystal Structures
- Material Properties
- Phase identification using diffraction methods

How I Can Help You

- Understanding of materials and material properties
- X-ray analytical methods for comprehensive phase analysis

How You Can Help Me

- looking for interesting projects that need to understand material aspects.
- I have worked on a multitude of projects in industrial setting



Yanshuo Sun

Industrial & Manufacturing Engineering

y.sun@eng.famu.fsu.edu

<https://sites.google.com/view/yanshuosun/home>

My Interest in Community

My overall research objective is to improve the planning, operations, and management of transportation systems through the application of mathematical modeling and optimization methods. I am fascinated with a broad range of research topics and have strong track records in several core areas of transportation, including transportation networks, public transportation, freight transportation, and airports.

I would like to seek collaborators to work on transportation, logistics, distribution, and supply chain-related problems in urban and rural areas.

Research and Projects

I am currently directing the following projects as the PI:

- Excellence in Research: Interoperable Transportation Service Roaming System for Transportation Disadvantaged Populations (NSF, \$658,942)
- Research Initiation Award: Automated Distribution of Autonomous Vehicles (NSF, \$300,000)
- Evaluating and Validating Technology Options for Estimating Transit Vehicle Occupancy in Real Time (Florida DOT, \$200,000)

Expertise/Interests

- Mathematical optimization theory & applications
- Transportation systems analysis
- Urban freight and logistics
- Data analytics & visualization

How I Can Help You

- Operations research
- Big data analytics
- Transportation systems
- Civil infrastructure systems

How You Can Help Me

- Connect to unique **mobility needs** in our regions
- Connect to **logistics challenges** in our communities
- Connect to local government agencies



All Research Profiles Available at:

collaborativecollision.research.fsu.edu



Meredith Thomas

Assistant Professor of Marketing
Mthomas@business.fsu.edu

My Interest in Community

A current stream of research explores the unique challenges local businesses are facing and the constellation of actions taken to respond to recent disruptive events. In particular, this work examines how business owners make sense of their role in creating and rebuilding community in the face of the Covid-19 pandemic.

Using digital resources including online commercial platforms and social media outlets, this research explores narratives of trauma and resilience, as well as innovative approaches to reaching consumers, connecting with other local businesses, and rebuilding and sustaining the local economy and community.

Research and Projects

Expertise/Interests

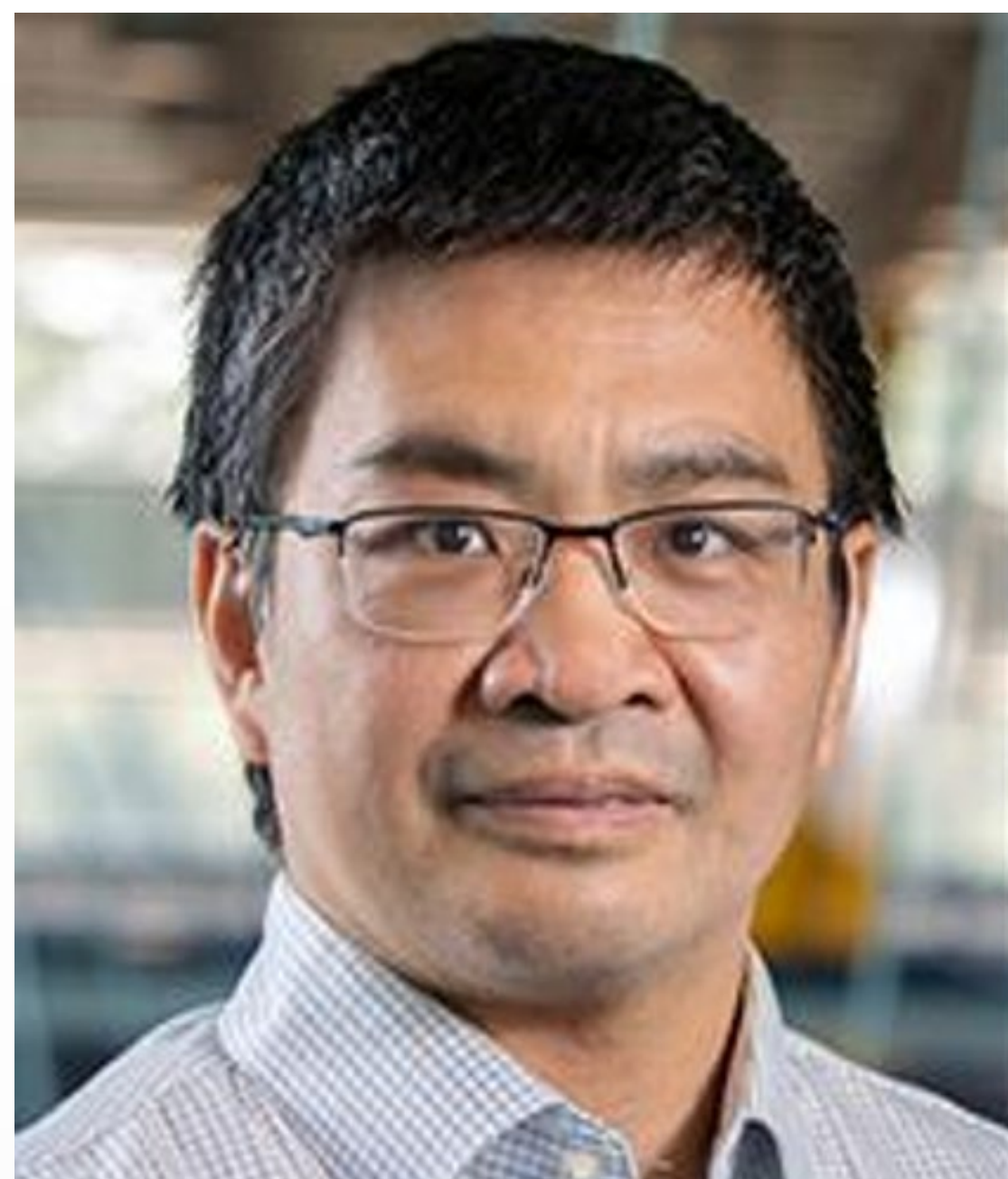
- Consumer behavior and community
- Local community economic development,
- Urban planning, housing and consumption

How I Can Help You

- Understanding community development and planning
- Social services ecosystem perspective
- Urban planning, local public policy and consumer behavior.

How You Can Help Me

- Learn about adjacent research across disciplines
- Access to interesting data
- Exposure to tech platforms and resources that are being used to support and sustain local communities.



Hui Wang

Industrial & Manufacturing Engineering
hwang10@fsu.edu
linkedin.com/in/hui-wang-23518216/

My Interest in Community

- Formulate decision-making problems encountered by community in response to natural disasters or epidemics/pandemics
- Improve community resilience by jointly considering the interaction between technology and social factors
- Help community's preparation for new situations and emerging crisis (but unseen yet in the history).

Research and Projects

- My research focuses on spatiotemporal data modeling and analysis based on multi-scale measurements for quality control, manufacturing system modeling and design, small-sample variation control by leveraging and improving state-of-the-art simulations, optimization, and machine learning methodologies
- Ongoing/Past projects
 - Scheduling optimization and data analytics for service industry (Airline)
 - Manufacturing and supply chain to support community lives in response to emergency or disasters (NSF)
 - Interconnected 3D printing systems on a cloud (NSF)
 - Spatiotemporal data modeling for quality control (NSF, NIST, GM)

Expertise/Interests

- Quality control & Automation
- Engineering/Service system design and optimization
- Data analytics to support decision-making for systems
- Small-sample learning for rare data scenarios or rare events
- Cloud data analytics for Internet of Things

How I Can Help You

- Spatiotemporal data learning methodology
- Optimization for decision-making
- Data methods to discover new events and anomalies
- Data fusion to combine interdisciplinary system information

How You Can Help Me

- Co-identify common research of interest in improving community resilience
- Find connections and resources with potential stakeholders
- Social science perspectives



Cassandra White

Theatre Studies

clw15c@my.fsu.edu

www.linkedin.com/in/cassandra-white42

My Interest in Community

- Promoting gender equality in the arts and academia
- Advancing radical accessibility in the arts and academia
- Facilitating community connections to arts and academic organizations

Research and Projects

- Dissertation Title: “A Woman’s Worth: Selling Sex and Virtue in Antebellum U.S. Melodrama”
- Graduate Assistant FSU Fellows Society
- Grant Manager Mickee Faust Academy for the Really Dramatic Arts
- Co-Chair Accessibility Committee Mid-America Theatre Conference
- Community organizer and activist

Expertise/Interests

- Sex-positive Theatre
- Stage Management
- Organizational Management
- U.S. Theatre & Gender History
- Hybrid Teacher

How I Can Help You

- Assist in event planning
- Aid in logistics management
- Manage learning environments
- Increase organizational accessibility and parity

How You Can Help Me

- Post-graduation community engagement opportunities
- Community collaborations in the arts and education



Danielle Wirsansky

History Department
dw12d@my.fsu.edu

www.linkedin.com/in/danielle-wirsansky-b86837ba/

Expertise/Interests

- Public History
- Educational Theatre
- Research Impact
- Play & Musical Writing
- European History (the World Wars & the Holocaust, gender & sexuality, war & society)

My Interest in Community

- Using theatre as a platform for education and public history
- Helping historians connect with the community instead keeping their information isolated (public history is sharing information from historian to the public instead of just historian to historian)
- Connecting with other individuals at FSU who are interested in the social, political, and emotional impacts of theatre as a platform for public history

How I Can Help You

- Conveying information to communities in creative ways, via script and live performances
- Strong Writing Skills
- Research experience in theatre as a platform for public history

How You Can Help Me

- Consult on creative approaches to share information with communities
- Discovering outlets in which to connect with the community
- Collaborate to develop scripts and performances

Research and Projects

I am a PhD student in the History Department. I have a BA in Theatre, a BA in English (Creative Writing), and an MA in History, with a focus on creative research using theatre as a platform for public history.



My creative research has been focused on using theatre to educate about historical people, places, and events, like the Holocaust, to improve education and awareness of them as well as foster empathy within the community.





Hanhan Xue

Department of Sport Management

hxue2@fsu.edu

<https://scholar.google.com/citations?user=Gnk2DhkAAAAJ&hl=en>

My Interest in Community

- Connecting with scholars across fields (e.g., public health, social science, education, and psychology) for external grant funding opportunities
- Connecting with scholars to collaborate on interdisciplinary research projects
- Exploring potential opportunities for collaboration on esports

Research and Projects

- Developing research on Esports and Diversity and Inclusion
 - Narratives and esports community identity
 - Sexism, misogyny, racism, and toxic culture in esports
 - The role of technologies, live streaming, and social media in affecting the development of esports community

Expertise/Interests

- Organizational Theory, Strategic Management, and Sport
- Urban Development, Community, and Sport
- Sociocultural Aspects of Sport
- Esports
- Qualitative Research
- Case Study Method

How I Can Help You

- Conduct qualitative data analysis
- Conduct interviews, focus groups, media analysis, and ethnographic research
- Create research design and develop theoretical frameworks
- Help with grant writing

How You Can Help Me

- Assisi with statistical analysis
- Translate academic inquiries into pragmatic research and grant projects for a broader audience

- Developing research on Esports and Addiction for youth and adults
 - Game design and genres, gamer experiences and addictive behavior
 - Intervention programs for gaming/esports participants
- Investigating the socioeconomic and cultural impacts of major sporting events in the post-pandemic world



Ming ye

Earth, Ocean, and Atmospheric Science
mye@fsu.edu
<https://orcid.org/0000-0002-7080-0578>

My Interest in Community

- Identifying collaborators who are interested in assessing environmental and socio-economic impacts of various environmental events
- Developing proposals to seek external funding
- Connecting with individuals and teams working to translate research into societal impact.
- Developing computational tools for community uses
- Connecting with other individuals at FSU who are interested in the social, political, and economic impacts of technology development and deployment.

Research and Projects

- Projects related to coastal environmental and ecological problems (e.g., hurricanes, red tide, and oyster population declination), especially impacts of the problems on coastal communities.
- Environmental justice in underrepresented and underserved communities
- Effectively communicate with stakeholders and decision-makers who do not have strong science background.
- Effectively and efficiently involve stakeholders and decision-makers into a scientific project for the whole life-cycle of the project

Expertise/Interests

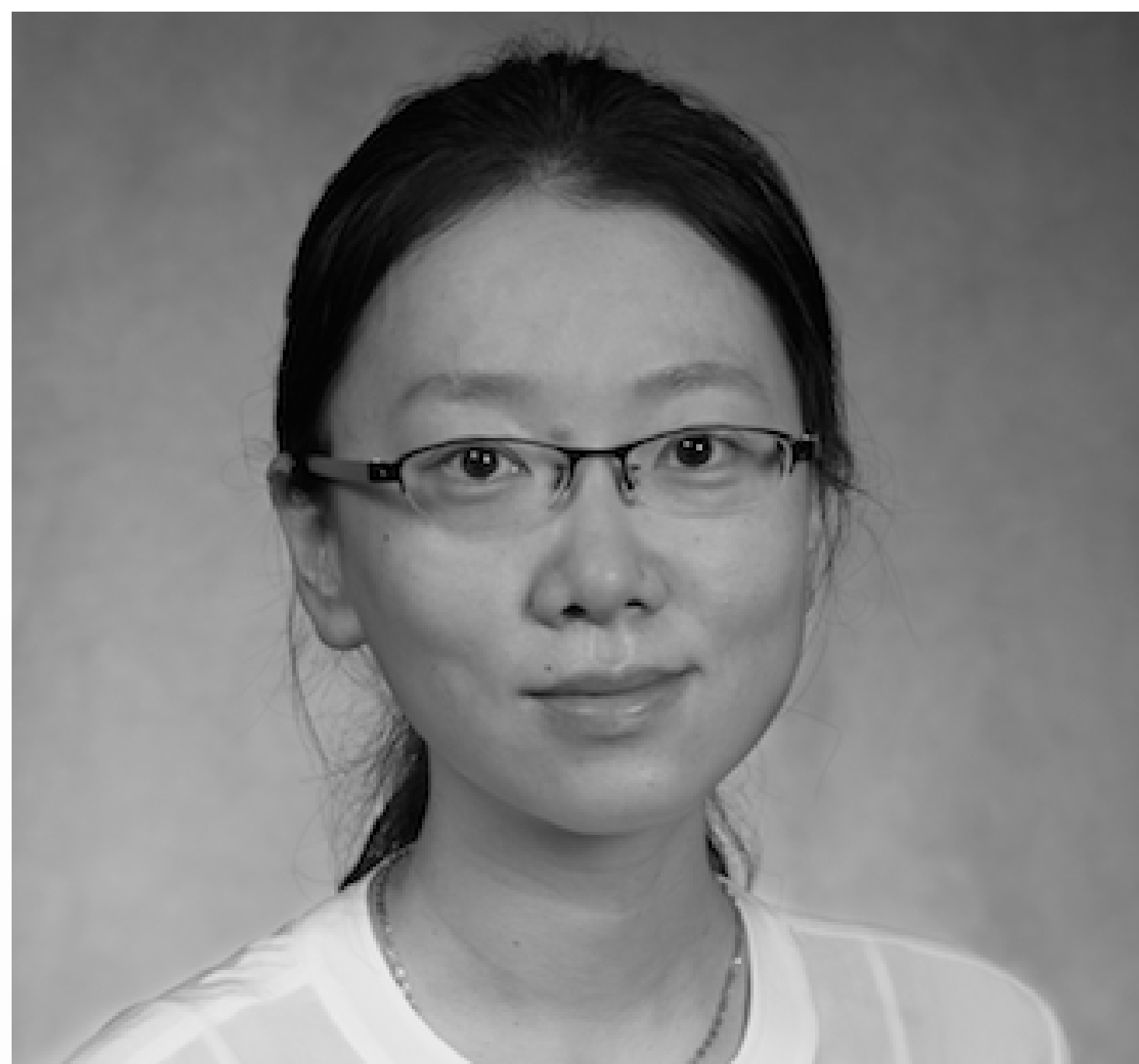
- Environmental modeling
- Groundwater reactive transport modeling
- Water and environmental quality
- Nitrogen transport and transformation
- Karst hydrology and hydrogeology
- Red tide

How I Can Help You

- Provide a quantitative and predictive understanding of environmental and hydrologic problems
- Provide potential links between environmental and socio-economic issues
- Develop proposals for external funding

How You Can Help Me

- Assess socio-economic impacts of environmental problems
- Communicate with stakeholders and decision-makers
- Develop predictive tools for community use



Qian (Jackie) Zhang

Associate Professor
qzhang4@fsu.edu

<https://orcid.org/0000-0003-4396-9375>

My Interest in Community

- Connecting with researchers conducting intervention/experimental studies and applying machine learning algorithms in causal inference.
- Building collaboration with social science researchers (e.g., education, psychology, health, human development) and applying advanced statistical modeling techniques in their studies.
- Connecting with researchers sharing common interests to apply for external funding to support quantitative studies.

Research and Projects



Here are my recent grant applications.

SPENCER

Handling Covariate Selection Uncertainty and Measurement Error in Causal Mediation Analysis: A Two-Step Approach to More Accurate Intervention Studies.



BRITE Girls Online STEM Practices: Building Relevance and Identity to Transform Experiences.



Who Implements Response to Intervention (RTI) in Math, and Does RTI Benefit Math Achievement? K-fold Cross-Validation and Causal Inference under A Multilevel Quasi-Experimental Study.

Expertise/Interests

- Causal Inference
- Longitudinal Data Analysis
- Machine Learning
- Statistical Modeling
- Large-scale Survey Analysis

How I Can Help You

- Develop statistical models
- Deal with difficulties (e.g., missing data) in data analyses
- Write up the methodological part in papers/grants
- Offer advice on study design
- Simulation studies

How You Can Help Me

- Collaborate on publications/grants that include quantitative analyses
- Describe complexity in your data analyses and let me help you
- Access for big dataset (e.g., healthcare, education, longitudinal)

All Research Profiles Available at:

collaborativecollision.research.fsu.edu



My Interest in Community

- Assisting communities in obtaining a balance between technology and infrastructure needs.
- Connecting with research teams to collaborate on new technologies that can be used to improve automated building and manufacturing systems.
- Development of micro development zones in areas that incorporate urban planning, infrastructure development, micro industries, and logistical support.
- Interdisciplinary partnerships to assist in the assurance that developed projects consider needs or factors outside my traditional areas of expertise.
- Development of sustainable solutions.

Research and Projects

- Development of fault diagnostic and detection systems for automated buildings.
- In the initial phases of creating an international non-profit to address economic development in Latin America.
- Development of new tools to assist in laboratory systems management (fume hoods, controls, etc)
- Development of a campus wide heat recovery system

Expertise/Interests

- Manufacturing
- Logistics
- Automation
- Research Commercialization
- Utilities & Energy
- Economic Development

How I Can Help You

- SME in automation, manufacturing, logistics, energy, and utilities.
- In some cases, provide access to large amounts of building data.
- Collaborate on entrepreneurial projects.
- Feasibility analysis

How You Can Help Me

- Provide expertise for technical gaps.
- Peer review
- Collaborate to develop new products or processes.
- Collaborate in the acquisition of grants.