Collaborative Collision Seed Fund

New this year, the Office of Proposal Development is pleased to announce the availability of competitive funding for project teams that form as a result of Collaborative Collision.

The Collaborative Collision seed fund provides up to $25,000 to the most promising new team to form as a result of connections made at Collaborative Collision events. Collaborative Collision grants are intended to catalyze team development, and allow a new team to position themselves to seek external funding for a new research initiative by demonstrating a history of successful collaboration. Grant recipients are expected to work with the Office of Proposal Development to submit external funding proposals within one year of the conclusion of a Collaborative Collision award.

Applicant teams to the seed fund must have attended the corresponding Collaborative Collision, and must not have previously co-authored any grant proposals, or peer reviewed articles.

Full program details may be found at:

research.fsu.edu/CollaborativeCollision
Participants

Participant posters with research profiles are available at: research.fsu.edu/CollaborativeCollision

Neda Yaghoobian
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Research Interests:
• Flow over complex terrains (e.g. trees, buildings, etc.)
• Fire-heat propagation in complex areas
• Land-atmosphere interaction
• Computational fluid dynamics

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Research Interests:
• Uncertainty analysis
• Environmental modeling
• Karst hydrology and geohazard

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Research Interests:
• Evacuation decision-making
• GIS
Kourosh Shoele  
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Research Interests:  
• Computational Fluid Dynamics  
• Multiscale Simulations  
• Plant biomimetics

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Research Interests:  
• Infrastructure Resilience  
• High Performance Buildings  
• Vulnerable Population Resilience

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Research Interests:  
• Optimization theory & applications  
• Transportation systems analysis  
• Data analytics & visualization

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Research Interests:  
• Solid Waste/Storm Debris Management  
• Coastal Erosion and Resiliency  
• Geotechnical Engineering

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Research Interests:  
• Urban infrastructure resilience  
• Smart city technologies  
• Climate change mitigation and adaptation

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Research Interests:  
• Disaster and Trauma  
• Positive Psychology and Media  
• Resilience and Growth

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Research Interests:  
• Cloud data fusion for inter-connected environment  
• System informatics & optimization

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Research Interests:  
• Optimization  
• Machine Learning  
• Control Systems
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Research Interests:
• Philanthropy
• Volunteerism
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Research Interests:
• Insurance Economics
• Catastrophic Risks
• Health Care and Health Insurance

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Research Interests:
• Remote Sensing and In Situ Observations
• Variations in Winds & Precipitation
• Ocean and Atmosphere Coupling

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Research Interests:
• Environmental History (Disasters)
• Historical Memory
• History of Science and Religion

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Research Interests:
• Data Science
• Image & Spatial Data Analysis
• Uncertainty Quantification

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Research Interests:
• Psychological trauma
• Emotion regulation
• Sleep disruption

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Research Interests:
• University and Community Partnerships
• Substance Abuse and Mental Health
• Impact of Disasters on Vulnerable Communities and Populations

Bryan Quaife
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Research Interests:
• Fire dynamics
• Computational fluid dynamics
• Fast algorithms
• Complex geometries
Jack Nicholson
Risk Management/Insurance, Real Estate & Legal Studies
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Research Interests:
• Catastrophe Insurance
• Hurricane & Flood Modeling
• Catastrophe Risk Financing

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Research Interests:
• Climate change and sea level rise planning
• Collaborative environmental management

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Research Interests:
• Spanish Colonial Material Culture
• Colonial Spatiality
• Decolonial Theory

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Research Interests:
• Big data analytics and machine learning
• Longitudinal data analysis
• Survival analysis

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Research Interests:
• Cybersecurity
• Disaster Recovery
• Network Infrastructure

Tim Chapin
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Research Interests:
• Florida coastal communities
• Community resilience in Florida
• Florida local and regional land planning

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Research Interests:
• Emergency Evacuations
• Infrastructure Resilience
• Smart Communities

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Research Interests:
• Watershed modeling and management
• Land use change
• Climate change
Juyeong Choi  
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Research Interests:  
- Infrastructure planning for sustainability and resilience  
- Demolition planning  
- System-of-systems

Cassandra Cole  
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Research Interests:  
- Impact of disasters on insurers, communities, and consumers  
- Disaster preparedness

Kevin Curry  
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Research Interests:  
- Reclamation of materials, personal artifacts/histories/memories from disasters  
- Post-disaster shelter and communication  
- Is “Geographic resiliency” a viable alternative to Sustainable retreat?

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Research Interests:  
- Tornadoes  
- Hurricanes

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Research Interests:  
- Climate and weather extremes  
- Climate modeling  
- Sectoral applications of climate information

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Research Interests:  
- Power Electronics  
- Energy Harvesting  
- Wireless Power Transfer  
- IoT, Sensor, Embedded System

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Research Interests:  
- Caribbean literature, art, and music  
- Cultural responses to disaster  
- Haiti

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Research Interests:  
- Comparative Caribbean Literature  
- Colonialism as disaster  
- Post-María Puerto Rican literature & performance
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Research Interests:  
• Contemporary visual art  
• Public art  
• Community Development

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Research Interests:  
• Modeling and simulation  
• Renewable Energy Integration  
• Energy Management

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Research Interests:  
• Vulnerable populations and disasters  
• Hurricanes  
• Climate change

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Research Interests:  
• Agency/Organization Collaboration in Disaster Response and Recovery  
• Collaboration Network post disaster  
• Sustainable Urban Infrastructure

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Research Interests:  
• Art & Cultural Heritage Law & Policy  
• Environmental Art, Law, & Policy  
• Museum Practice

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• Paleoenvironmental reconstruction and human response  
• Sea level rise and archaeological site preservation  
• Peopling of the Americas

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• Archaeology  
• Remote sensing

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Research Interests:  
• Economic Modeling  
• Risk Analysis  
• Impact Analysis
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- Climate change adaptation  
- Disaster risk reduction  
- Community participation  

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Research Interests:  
- Public opinion  
- Policy evaluation  
- Data collection  

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Research Interests:  
- Storm surge modeling  
- Food modeling  
- Wave actions on structures  

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Research Interests:  
- Resiliency and adaptation (at the individual and community level)  
- Science and health communication  
- Experiential learning/interactive interventions  

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Research Interests:  
- Cybersecurity  
- Cyber-Physical Systems  
- Resilience and Control  

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Research Interests:  
- Community resiliency  
- Information technology (IT)  
- Disaster preparedness & response  
- Post-hurricane community impact and resilience  

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Research Interests:  
- Mass incarceration/criminal justice reform  
- Gender justice and family law  
- Prison/jail conditions  

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Research Interests:  
- Game Theory  
- Dynamic Programming and Reinforcement Learning  
- Control Theory