NSF 側の関連支援中研究者リスト

NSF awardee funded to do research related to the Human-Centered Data for Resilience Topic

#	Title	Program(s)	Principal Investigator	Organization
1	Collaborative Research: Predicting Real-time Population Behavior during Hurricanes Synthesizing Data from Transportation Systems and Social Media	HDBE-Humans, Disasters, and th	Aron Culotta	Tulane University
2	RAPID: Operationalizing the Capabilities Approach in the Context of Disaster Resilience: Measuring the Social Burden of Infrastructure Disruptions	Decision, Risk & Mgmt Sci, HDBE-Humans, Disasters, and th	Susan Clark	SUNY at Buffalo
3	RAPID/Collaborative Research: Cascading Impacts of the 2021 Texas Winter Storm on Subsidized Housing Residents: A Comparative Analysis	COVID-19 Research, HDBE-Humans, Disasters, and th	Jayajit Chakraborty	University of Texas at El Paso
4	RAPID/Collaborative Research: Cascading Impacts of the 2021 Texas Winter Storm on Subsidized Housing Residents: A Comparative Analysis	COVID-19 Research, HDBE-Humans, Disasters, and th	Timothy Collins	University of Utah
5	RAPID: Texas Winter Storm	Decision, Risk & Mgmt Sci, Sociology, HDBE-Humans, Disasters, and th	Haoran Chu	Texas Tech University
6	NNA/Collaborative Research: Emergency Response in the Arctic (ERA): Investments for Global Capabilities and Local Benefits	HDBE-Humans, Disasters, and th, Special Initiatives	Thomas Sharkey	Clemson University
7	RAPID: Disparities in Business and Nonprofit Impact and Recovery from Hurricane Harvey, COVID-19, and Hurricane Laura	COVID-19 Research, HDBE-Humans, Disasters, and th	Maria Watson	Texas A&M University
8	Collaborative Research: Online Hazard Communication in the Terse Regime: Measurement, Modeling, and Dynamics	HDBE-Humans, Disasters, and th,	Jeannette Sutton	SUNY at Albany
9	RAPID: Understanding Evacuation, Sheltering, and Reentry Decisions During the Dual Threat of Hurricane and the COVID-19 Pandemic	COVID-19 Research, HDBE-Humans, Disasters, and th	Hao-Che Wu	University of North Texas
10	RAPID: Keeping Shelters in Place: Understanding Residential Landlord Decision-making During the COVID-19 Pandemic	COVID-19 Research, HDBE-Humans, Disasters, and th	Jane Rongerude	Iowa State University

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#	Title	Program(s)	Principal Investigator	Organization
11	CAREER: Transcending Barriers between Natural Hazard Researchers, Educators, and Practitioners- An Integrative Approach to Multi-Hazard Probabilistic Assessment	CAREER: FACULTY EARLY CAR DEV, CIS-Civil Infrastructure Syst, HDBE-Humans, Disasters, and th	Michelle Bensi	University of Maryland, College Park
12	CAREER: Affordable Versus Vacation Housing Resilience: Mechanisms that Shape Housing Vulnerability and Recovery in Coastal Communities	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th	Sara Hamideh	SUNY at Stony Brook
13	CAREER: Coupling Climate and Human Health Models to Build Pathways to Extreme Heat Resilience	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th	Jennifer Vanos	Arizona State University
14	CAREER: Understanding the Drivers and Consequences of Personal Adaptation Behavior to Environmental Extremes	Decision, Risk & Mgmt Sci, HDBE-Humans, Disasters, and th	Gabrielle Wong-Parodi	Stanford University
15	Household Risk Perceptions and Hazard Adjustments to Earthquakes in Oklahoma	HDBE-Humans, Disasters, and th, EPSCoR Co-Funding	Hao-Che Wu	University of North Texas
16	RAPID/Collaborative Research: An Empirical Investigation of Risk Preferences of Transportation Construction Workforce Managers under COVID-19 Pandemic Uncertainties	COVID-19 Research, HDBE-Humans, Disasters, and th	Seyed Shahandashti	University of Texas at Arlington
17	RAPID/Collaborative Research: An Empirical Investigation of Risk Preferences of Transportation Construction Workforce Managers under COVID-19 Pandemic Uncertainties	COVID-19 Research, HDBE-Humans, Disasters, and th	Baabak Ashuri	Georgia Tech Research Corporation
18	Dynamics and Perceptions of Ultrahazardous Flooding across the Wildland Urban Interface	HDBE-Humans, Disasters, and th	Brett Sanders	University of California-Irvine
19	RAPID: Compounding Crises: Facing Hurricane Season in the Era of COVID-19	HDBE-Humans, Disasters, and th	Gabrielle Wong-Parodi	Stanford University
20	RAPID: Impacts, Disruption, and Displacement After Low Attention Disasters: Experiences of Non-owner and Immigrant Households	HDBE-Humans, Disasters, and th	Sara Hamideh	SUNY at Stony Brook

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#	Title	Program(s)	Principal Investigator	Organization
21	Collaborative Research: An Examination of Household Risk Assessment Judgments and Protective Action Decision during Tornado Threats	HDBE-Humans, Disasters, and th	Hao-Che Wu	University of North Texas
22	Collaborative Research: Information Technology and Emergency Response Improvisation: An Investigation	HDBE-Humans, Disasters, and th	H. Raghav Rao	University of Texas at San Antonio
23	Collaborative Research: Information Technology and Emergency Response Improvisation: An Investigation	HDBE-Humans, Disasters, and th	Rui Chen	Iowa State University
24	Collaborative Research: Hazard Events, Risk Perception, and Public Support for Disaster Risk Reduction in the Americas: a 17-Country Study	HDBE-Humans, Disasters, and th	Barry Levitt	Florida International University
25	Collaborative Research: Hazard Events, Risk Perception, and Public Support for Disaster Risk Reduction in the Americas: a 17-Country Study	HDBE-Humans, Disasters, and th	Elizabeth Zechmeister	Vanderbilt University
26	Collaborative Research: A Framework for Assessing the Impact of Extreme Heat and Drought on Urban Energy Production and Consumption	HDBE-Humans, Disasters, and th	Kristen Cetin	Michigan State University
27	RAPID: Public Support for Disaster Risk Reduction Policies in the Bahamas after Hurricane Dorian	HDBE-Humans, Disasters, and th	Barry Levitt	Florida International University
28	RAPID: Disaster Recovery Decision Making in Remote Tourism-dependent Communities	COVID-19 Research, HDBE-Humans, Disasters, and th	Whitney Knollenberg	North Carolina State University
29	Collaborative Research: Leveraging Massive Smartphone Location Data to Improve Understanding and Prediction of Behavior in Hurricanes	HDBE-Humans, Disasters, and th	Rachel Davidson	University of Delaware
30	Collaborative Research: Leveraging Massive Smartphone Location Data to Improve Understanding and Prediction of Behavior in Hurricanes	HDBE-Humans, Disasters, and th	Linda Nozick	Cornell University

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#	Title	Program(s)	Principal Investigator	Organization
31	Collaborative Research: Probabilistic Debris Modeling in Coastal Storm Events: A Case of Complex Coupling Between Human-Built-Natural Systems	HDBE-Humans, Disasters, and th	Jamie Padgett	William Marsh Rice University
32	Collaborative Research: Probabilistic Debris Modeling in Coastal Storm Events: A Case of Complex Coupling Between Human-Built-Natural Systems	HDBE-Humans, Disasters, and th	Wesley Highfield	Texas A&M University
33	CAREER: Humanizing Engineering and Resilience: An Integrated Research and Education Approach to Understand and Enhance Infrastructure Resilience	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th	Christine Kirchhoff	University of Connecticut
34	CAREER: Policy-Infrastructure-Community Interdependencies: The Next Frontiers in Dynamic Networks	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th	Hiba Baroud	Vanderbilt University
35	CAREER: Estimating and Addressing Disaster Survivors' Unmet Needs: A Social Vulnerability and Social Infrastructure Approach	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th	Michelle Meyer	Texas A&M University
36	CAREER: Human Thermal Exposure in Cities- Novel Sensing and Modeling to Build Heat-Resilience	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th	Ariane Middel	Arizona State University
37	Collaborative Research: Personalized Systems for Wayfinding for First Responders	HDBE-Humans, Disasters, and th	Jing Du	University of Florida
38	RAPID: Evaluating the Role of Pollution Monitoring on Improving Coastal Community Social Well-Being Following a Petrochemical Fire and Spills into Galveston Bay	HDBE-Humans, Disasters, and th	David Hala	Texas A&M University
39	A Value-Driven Multi-Sector Stakeholder Decision-Making Framework to Support Disaster Resilient Communities	HDBE-Humans, Disasters, and th	Lu Zhang	Florida International University
40	Conference: Planning and Development of a Nearshore Extreme Event Reconnaissance (NEER); Arlington, Virginia; August 5-6, 2019	HDBE-Humans, Disasters, and th	Britt Raubenheimer	Woods Hole Oceanographic Institution

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#	Title	Program(s)	Principal Investigator	Organization
41	Reducing the Human Impacts of Flash Floods: Development of Microdata and Causal Model to Inform Mitigation and Preparedness	HDBE-Humans, Disasters, and th	Nasir Gharaibeh	Texas A&M Engineering Experiment Station
42	The Creeping Disaster along the Coast: Built Environment, Coastal Communities and Population Vulnerability to Sea Level Rise	HDBE-Humans, Disasters, and th	Stefan Leyk	University of Colorado at Boulder
43	Enabling the Next Generation of Hazards Researchers	HDBE-Humans, Disasters, and th	Thomas Cova	University of Utah
44	Assessing the Impacts of Coastal Flood-Induced Relocation on Local Jurisdictions	HDBE-Humans, Disasters, and th	Anamaria Bukvic	Virginia Polytechnic Institute and State University
45	Collaborative Research: Examining Community-based Recovery Initiatives Post-Disaster	Sociology, HDBE-Humans, Disasters, and th	Roberto Velez-Velez	SUNY College at New Paltz
46	Rehearsing Disaster: Understanding Earthquake Preparedness Behavior in an Interactive Environment	HDBE-Humans, Disasters, and th	Elizabeth Safran	Lewis and Clark College
47	Collaborative Research: Predicting Real-time Population Behavior during Hurricanes Synthesizing Data from Transportation Systems and Social Media	HDBE-Humans, Disasters, and th	Samiul Hasan	The University of Central Florida Board of Trustees
48	Building Capacity for Safer Post-disaster Shelter: Leveraging Local Understanding and Advanced Engineering Assessments	GOALI-Grnt Opp Acad Lia wIndus, HDBE-Humans, Disasters, and th	Amy Javernick-Will	University of Colorado at Boulder
49	Protecting Soft Targets against Lone Actor Attacks using Game Theory and Immersive Simulations	HDBE-Humans, Disasters, and th	Melike Baykal-Gursoy	Rutgers University New Brunswick

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#	Title	Program(s)	Principal Investigator	Organization
50	RAPID/Collaborative Research: Defining a Performance Measurement Framework for Spontaneous Volunteer Management Systems in Post-Disaster Relief	HDBE-Humans, Disasters, and th	Lucia Velotti	CUNY John Jay College of Criminal Justice
51	Collaborative Research: Organizational development, operations, and new media among civilian flood-rescue groups	Sociology, HDBE-Humans, Disasters, and th, SoO-Science Of Organizations	Brant Mitchell	Louisiana State University
52	Collaborative Research: Organizational development, operations, and new media among civilian flood-rescue groups	Sociology, HDBE-Humans, Disasters, and th, SoO-Science Of Organizations	Michelle Meyer	Texas A&M University
53	Extreme Weather Disasters, Economic Losses via Migration, and Widening Spatial Inequality in the U.S.	Sociology, Geography and Spatial Sciences, HDBE-Humans, Disasters, and th	Jack DeWaard	University of Minnesota-Twin Cities
54	CAREER: Assessing the Role of Buildings and Organizations in Community Disaster Resilience	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th	Elaina Sutley	University of Kansas Center for Research Inc
55	CAREER: Household Network Modeling and Empathic Learning for Integrating Social Equality into Infrastructure Resilience Assessment	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th, Special Initiatives	Ali Mostafavi	Texas A&M Engineering Experiment Station
56	A Multi-level Dynamically Coupled Model for Evaluating Older Adults' Vulnerability and Resiliency to Disasters	HDBE-Humans, Disasters, and th	Zhen Cong	University of Texas at Arlington
57	Enhancing Community Resilience to Floods: A Theoretical Framework of Community Participation in Federal Voluntary Programs	GOALI-Grnt Opp Acad Lia wIndus, HDBE-Humans, Disasters, and th	Abdul-Akeem Sadiq	The University of Central Florida Board of Trustees
58	Hazards SEES: Understanding Cross-Scale Interactions of Trade and Food Policy to Improve Resilience to Drought Risk	HDBE-Humans, Disasters, and th, SEES Hazards	Lyndon Estes	Clark University

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#	Title	Program(s)	Principal Investigator	Organization
59	Impact of Building Design Attributes on Occupant Behavior in Response to Active Shooter Incidents in Offices and Schools	HDBE-Humans, Disasters, and th	Burcin Becerik-Gerber	University of Southern California
60	Collaborative Research: Understanding Evacuation Behavior for Rapid Onset Disasters such as Flash Floods and Tsunamis in the Cascadia Subduction Zone	HDBE-Humans, Disasters, and th, Special Initiatives, EnvS-Environmtl Sustainability	Haizhong Wang	Oregon State University
61	Collaborative Research: Modeling the Vulnerability of Mobile Home Parks to Disaster: A Longitudinal Study of Affordable Housing Loss After Hurricane Harvey	Hurricane Harvey 2017, HDBE-Humans, Disasters, and th	Shannon Van Zandt	Texas A&M University
62	Collaborative Research: A Data-centric Uncertainty-informed Framework for Resilience Analytics of Critical Infrastructure Under Extreme Climate Events	CIS-Civil Infrastructure Syst, HDBE-Humans, Disasters, and th	Roshanak Nateghi	Purdue University
63	Collaborative Research: A Data-centric Uncertainty-informed Framework for Resilience Analytics of Critical Infrastructure Under Extreme Climate Events	CIS-Civil Infrastructure Syst, HDBE-Humans, Disasters, and th	Arghavan Louhghalam	University of Massachusetts, Dartmouth
64	US-Ireland Partnership Program: Urban ARK: Assessment, Risk Management, and Knowledge for Flood Management in Urban Areas	HDBE-Humans, Disasters, and th	Debra Laefer	New York University
65	NNA/Collaborative Research: Emergency Response in the Arctic (ERA): Investments for Global Capabilities and Local Benefits	Decision, Risk & Mgmt Sci, HDBE-Humans, Disasters, and th, Special Initiatives, ASSP-Arctic Social Science	Marie Lowe	University of Alaska Anchorage Campus
66	NNA/Collaborative Research: Emergency Response in the Arctic (ERA): Investments for Global Capabilities and Local Benefits	HDBE-Humans, Disasters, and th, Special Initiatives, ASSP-Arctic Social Science	Thomas Birkland	North Carolina State University
67	Collaborative Research: Evaluating the Potential for Urban Resilience Planning to Mitigate Long-term Flood Risks	GOALI-Grnt Opp Acad Lia wIndus, HDBE-Humans, Disasters, and th	Sara Meerow	Arizona State University

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#	Title	Program(s)	Principal Investigator	Organization
68	Collaborative Research: Modeling the Vulnerability of Mobile Home Parks to Disaster: A Longitudinal Study of Affordable Housing Loss After Hurricane Harvey	Hurricane Harvey 2017, HDBE-Humans, Disasters, and th	Andrew Rumbach	University of Colorado at Denver-Downtown Campus
69	Collaborative Research: Evaluating the Potential for Urban Resilience Planning to Mitigate Long-term Flood Risks	HDBE-Humans, Disasters, and th	Sierra Woodruff	Texas A&M University
70	Infrastructure Collapse and its Effects on News Practices During Hurricane Maria in Puerto Rico	HDBE-Humans, Disasters, and th	Bruno Takahashi	Michigan State University
71	Resilience-based Modeling for Water Infrastructure Systems	HDBE-Humans, Disasters, and th	Ranji Ranjithan	North Carolina State University
72	Modeling Rumor Spreading and Debunking Strategies on Social Media During Disasters	HDBE-Humans, Disasters, and th, Special Initiatives	Jun Zhuang	SUNY at Buffalo
73	Assessing the Influence of Hazard Mitigation Planning on Disaster Recovery	HDBE-Humans, Disasters, and th	Ward Lyles	University of Kansas Center for Research Inc
74	CAREER: Integrated Modeling of Hazard Mitigation Stakeholder Networks for Compassionate, Sustainable Risk Reduction	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th	Ward Lyles	University of Kansas Center for Research Inc
75	Signatures and Barcodes: Data-driven Understanding of Transportation System Performance during Extreme Events	HDBE-Humans, Disasters, and th	Richard Sowers	University of Illinois at Urbana-Champaign
76	Assessing the Influence of Cultural Variables, Perceptions, and Earthquake Hazard Information on Household Emergency Preparedness	HDBE-Humans, Disasters, and th	Brittany Brand	Boise State University

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#	Title	Program(s)	Principal Investigator	Organization
77	From Future Learning To Current Action: Long-Term Sequential Infrastructure Planning Under Uncertainty	HDBE-Humans, Disasters, and th	Matteo Pozzi	Carnegie-Mellon University
78	Collaborative Research: An Examination of Household Risk Assessment Judgments and Protective Action Decision during Tornado Threats	HDBE-Humans, Disasters, and th	Shih-Kai Huang	Jacksonville State University
79	Collaborative Research: Advancing Supply Prepositioning for Emergency Preparedness by Social Sensing	HDBE-Humans, Disasters, and th	Qing He	SUNY at Buffalo
80	Collaborative Research: A Framework for Assessing the Impact of Extreme Heat and Drought on Urban Energy Production and Consumption	HDBE-Humans, Disasters, and th	Lance Manuel	University of Texas at Austin
81	Collaborative Research: A Framework for Assessing the Impact of Extreme Heat and Drought on Urban Energy Production and Consumption	HDBE-Humans, Disasters, and th	Eunshin Byon	Regents of the University of Michigan-Ann Arbor
82	CAREER: Measuring the Impact of Public Health Supply Chain Coordination Structures on the Effectiveness of Disaster Preparedness and Response	CAREER: FACULTY EARLY CAR DEV, HDBE-Humans, Disasters, and th, EPSCoR Co-Funding	Jessica Heier Stamm	Kansas State University
83	Collaborative Research: Bayesian Methods for the Data-Driven Recovery of Networks: Measuring Impact and Building Resilience in Infrastructures and Communities	HDBE-Humans, Disasters, and th	Kash Barker	University of Oklahoma Norman Campus
84	Collaborative Research: Bayesian Methods for the Data-Driven Recovery of Networks: Measuring Impact and Building Resilience in Infrastructures and Communities	HDBE-Humans, Disasters, and th	Hiba Baroud	Vanderbilt University
85	RAPID: Building Community Resilience: Understanding Homeowner Response to Extreme Events	Decision, Risk & Mgmt Sci, HDBE-Humans, Disasters, and th	Debra Javeline	University of Notre Dame

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#	Title	Program(s)	Principal Investigator	Organization
86	Experimental Evidence on Stress and In-group Preference	Decision, Risk & Mgmt Sci	Nathan Nunn	National Bureau of Economic Research Inc
87	Collaborative Research: Robo-advising and Decision Making Under Risk	Decision, Risk & Mgmt Sci, Cross-Directorate Activities	Alberto Rossi	Georgetown University
88	An Analysis of the Integration of Place Attachment into Visualizations of Hurricane Storm Surge Threats	Decision, Risk & Mgmt Sci, Geography and Spatial Sciences	Olga Wilhelmi	University Corporation For Atmospheric Res
89	Testing risk communication strategies designed to address cognitive simplifications that underlie factually erroneous beliefs about scientific issues	Decision, Risk & Mgmt Sci,	Ann Bostrom	University of Washington
90	Behavioral Nudges in a Wildfire Risk Context: Social Comparison and Community Type	Decision, Risk & Mgmt Sci	Hannah Brenkert-Smith	University of Colorado at Boulder
91	Collaborative Research: Informal risk-sharing and private initiative to mitigate local environmental risks	Decision, Risk & Mgmt Sci	Prabhat Barnwal	Michigan State University
92	CompCog: Helping people make more future-minded decisions using optimal gamification	Decision, Risk & Mgmt Sci, CYBERINFRASTRUCTURE, Perception, Action & Cognition	Thomas Griffiths	Princeton University
93	RAPID:Investigating Media Dependencies, Mitigation Behavior, and Information Processing in the Time Leading up to Hurricane Dorian	Decision, Risk & Mgmt Sci	Kenneth Lachlan	University of Connecticut
94	Collaborative Research: Robo-advising and Decision Making under Risk	Decision, Risk & Mgmt Sci, Cross-Directorate Activities	Francesco DAcunto	Boston College

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#	Title	Program(s)	Principal Investigator	Organization
95	Interventions for Motivating Residents to Recruit and Coordinate with their Neighbors	Decision, Risk & Mgmt Sci	Rebecca Niemiec	Colorado State University
96	CAREER: Study of Redundant Deliberation in High-Stakes, High-Uncertainty Decision Making Using the Least-Worst Uncertainty Choice Inventory for Emergency Responses	Decision, Risk & Mgmt Sci	Neil Shortland	University of Massachusetts Lowell
97	Psychosocial, Motivational, and Cooperative Effects of Communication, Enforcement, and Participatory Decision Making in Resource Dilemmas	Decision, Risk & Mgmt Sci	Daniel DeCaro	University of Louisville Research Foundation Inc
98	Collaborative Research: Cognitive, social, and institutional dynamics of decision-making in complex hazard-prone environments	Decision, Risk & Mgmt Sci	Jonathan Salerno	Colorado State University
99	Natural Hazards Engineering Research Infrastructure: Cyberinfrastructure (DesignSafe) 2020-2025	Natural Hazards Engineering Re	Ellen Rathje	University of Texas at Austin
100	CONVERGE: Coordinated Social Science, Engineering, and Interdisciplinary Extreme Events Reconnaissance Research	Natural Hazards Engineering Re,	Lori Peek	University of Colorado at Boulder
101	Natural Hazards Engineering Research Infrastructure: Computational Modeling and Simulation Center	Natural Hazards Engineering Re	Sanjay Govindjee	University of California-Berkeley
102	Elements: Cognitasium- Enabling Data-Driven Discoveries in Natural Hazards Engineering	Software Institutes, CDS&E	Krishna Kumar Soundararajan	University of Texas at Austin
103	CAREER: Remote Sensing for Enhanced Understanding of Tornado Actions and Broadened STEM Education in Rural West Texas	Engineering for Natural Hazard	James Womble	Insurance Institute for Business & Home Safety

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#	Title	Program(s)	Principal Investigator	Organization
104	CAREER: Using Metamodeling to Enable High-Fidelity Modeling in Risk-based Multi-hazard Structural Design	Engineering for Natural Hazard, CAREER: FACULTY EARLY CAR DEV	Seymour Spence	Regents of the University of Michigan-Ann Arbor
105	RAPID: Collaborative Research: Data Mining and Fusion Between Unmanned Aerial Systems and Social Media Technologies to Improve Emergency Operations	Special Projects- CNS, CPS-Cyber-Physical Systems	Navid Jafari	Louisiana State University
106	Natural Hazards Engineering Research Infrastructure: Post-Disaster, Rapid Response Research (RAPID) Facility	Natural Hazards Engineering Re	Joseph Wartman	University of Washington
107	RCN: Research Network in Hybrid Simulation for Multi-Hazard Engineering	Engineering for Natural Hazard	Shirley Dyke	Purdue University
108	RAPID: Collaborative Research: Data Mining and Fusion Between Unmanned Aerial Systems and Social Media Technologies to Improve Emergency Operations	Special Projects- CNS, CPS-Cyber-Physical Systems	Anand Puppala	Texas A&M Engineering Experiment Station