



Program News for the week ending November 5, 2021

Program Update	1
Symposium – Next Steps	1
Community Call.....	1
The College List	2
Internship, Scholarship, and Research Opportunities.....	2
Special Interest Groups.....	4
Resources	4
Calendar	6
Employment Opportunities	7

Program Update

FEMA’s National Training and Education Division (NTED) manages the Higher Education (HiEd) Program to serve the needs of the community, including institutions of higher education, professional organizations and practitioners who are dedicated to advancing the field of emergency management (EM).

Symposium – Next Steps

Save The Date: 24th Annual Emergency Management Higher Education Symposium at the National Emergency Training Center (NETC), June 6-9, 2022

Join the 2022 HiEd Symposium Planning SIG! Would you like to be a part of an exciting working group planning the HiEd Symposium? If interested in joining the group, send an email to the [HiEd-Team](mailto:HiEd-Team@fema.dhs.gov) at FEMA-HiEd@fema.dhs.gov.

Community Call

The next HiEd Community Call is Friday, November 19, 2021, from 2 - 3 p.m. ET. Link to the community call via [ZoomGov Meeting](https://fema.zoomgov.com/j/16046780270) (<https://fema.zoomgov.com/j/16046780270>). Meeting ID: 160 4678 0270, Password: 621901. This is an informal call — all are welcome. We typically schedule one or two short presentations at the beginning of the call as well as an open forum for discussion about ongoing projects and opportunities for collaboration. If you would like to be a presenter on a future call, send an email with your name, topic and a short description of your presentation to FEMA-HiEd@fema.dhs.gov.

- Jacob Fast – Student, Jacksonville State University, *DEM Case Study Repository: Teaching and Learning Opportunities*,
- Larry Porter - The Council for the Accreditation of Emergency Management & Homeland Security Education (CAEMHSE), *Validation of Quality EM (and HS) Academic Programs through Assessment and Accreditation*
- Antoine Richards - Institute for Diversity and Inclusion in Emergency Management (I-DIEM)



The College List

The College List, located at <https://training.fema.gov/hiedu/collegelist/>, outlines programs at all levels of study in emergency management (EM), homeland security (HS) and related fields. HiEd staff do not provide recommendations or discuss the relative merits of the colleges and universities listed. To maintain currency, the HiEd team removes entries that have not initiated contact or activity for two years or more. If you have a new or updated program to include, send an email to fema-emi-collegelist@fema.dhs.gov.

College list by the numbers: **749 total**

- Emergency and Disaster Management Programs in Other Countries – 26
- Emergency Management Programs – 333
- Executive Education Programs – 3
- Homeland Security Programs – 266
- International Disaster Relief/Humanitarian Assistance – 10
- Public Health, Medical and Related Programs – 31
- Related Programs – 80

Internship, Scholarship, and Research Opportunities

Oregon State University Postdoctoral Scholar focusing on equitable coastal community resilience to join the [Cascadia Coastlines and Peoples Hazards Research Hub](https://today.oregonstate.edu/news/oregon-state-lead-national-science-foundation-funded-research-hub-coastal-resiliency) (<https://today.oregonstate.edu/news/oregon-state-lead-national-science-foundation-funded-research-hub-coastal-resiliency>). This postdoc position is a one-year full time position with reappointment for additional two years, depending upon annual review. Please see [Oregon State University Open Postdoctoral Scholar Positions](https://gradschool.oregonstate.edu/postdocs/open-positions/15961-equitable-coastal-community-resilience) (<https://gradschool.oregonstate.edu/postdocs/open-positions/15961-equitable-coastal-community-resilience>) for complete application information.

National Science Foundation

[Science and Technology Centers: Integrative Partnerships \(STC\)](https://www.nsf.gov/pubs/2022/nsf22521/nsf22521.htm?WT.mc_ev=click&WT.mc_id=USNSF_30&utm_medium=email&utm_source=govdelivery)

(https://www.nsf.gov/pubs/2022/nsf22521/nsf22521.htm?WT.mc_ev=click&WT.mc_id=USNSF_30&utm_medium=email&utm_source=govdelivery)

[NSF Earth Sciences Postdoctoral Fellowships](https://beta.nsf.gov/funding/opportunities/ear-postdoctoral-fellowships-ear-pf)

(<https://beta.nsf.gov/funding/opportunities/ear-postdoctoral-fellowships-ear-pf>)

[EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations](https://www.nsf.gov/pubs/2022/nsf22523/nsf22523.htm?WT.mc_ev=click&WT.mc_id=USNSF_27&utm_medium=email&utm_source=govdelivery)

(https://www.nsf.gov/pubs/2022/nsf22523/nsf22523.htm?WT.mc_ev=click&WT.mc_id=USNSF_27&utm_medium=email&utm_source=govdelivery)

Call for Chapter Proposals, The Routledge book project investigates a series of latent, yet pertinent intercultural and inter-contextual issues related to post-disaster rebuilding of communities with specific human capacities of labour, work and action. Very little research has delved into systemising benefits of



efforts that could cure critical clinical errors in disaster operations by systematically mapping damage mitigation on sustainable rebuilding. This book interrogates many facets of building resiliency for policy recommendations, protocol formulations, statutory strategies, and the development of technical tools via humanistic (naturalistic) rigour that tend to be overlooked by scientific approaches. The [Proposal Form](#) can be found at https://drive.google.com/file/d/1t2xvTDd4Hth4UyxPU5mStLxS_-7V0z--/view.

Student Voices Series: Key Themes and Recommendations from Diverse Populations in Emergency Management and Homeland Security Programs

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²*Cultivate The Writer*

Since September 11, 2001, emergency and crisis management academic programs have drastically increased from 75 to 330¹. As emergency management and homeland security fields of employment have historically employed individuals who are older, predominantly male, and Caucasian, the composition of academicians teaching these courses based on their knowledge and experience is not reflective of demographic trends in the US population. The US is becoming far more diverse², and the demographics of the emergency management and homeland security field are at odds with the fact that those most vulnerable to disaster are those of low socioeconomic and minority status³. As diversity, equity, and inclusion rise in importance, mechanisms of teaching and learning must be adjusted to meet the needs of academicians and students to ensure stability in future approaches to emergency management. The Student Voices Sessions were conceptualized by members of I-DIEM, in collaboration with the FEMA Higher Education Program, to capture the voices of minority students in emergency and homeland security (EM/HS) programs who felt they were not being supported. The goal of the Student Voices Series was to outline solutions that better support diverse students and their journey to academic success.

From February 18 – March 11, 2021, I-DIEM hosted weekly Student Voices Sessions via Zoom. Sessions were open to students in EM/HS programs at all degree levels. A total of 58 students registered across all sessions with the majority of students participating at the bachelor's level (n=48; 82%). The remaining participants were associates level students. Students were well represented geographically. Participant names and university affiliations were de-identified to maintain anonymity and confidentiality. Results included key themes and recommendations identified by session participants. Key themes included:

- Need for pipeline programs or lack of awareness of pipeline opportunities
- Lack of diversity in EM/HS programs negatively impacting sense of belonging and motivation to continue in the field
- Communication issues between EM/HS program students, faculty, and administration.
- Lack of connection between EM/HS programs and curriculum among women and minority students
- Study-Work-Life Balance: Current opportunities do not adequately meet the needs of most minority students.



Based on these themes, we identified the following key recommendations:

- EM/HS programs should implement intentional pipeline programs allowing students to gain competitive skills
- Efforts should be made to provide mental health resources. Programs should focus on providing opportunities for practical engagement and mentorships by diverse leaders
- EM/HS programs should take steps to assess and train advisors & professors on cultural competence and diverse learning styles
- EM/HS programs within PWIs should create peer- and professional mentorship programs and encourage the creation of program-specific student groups based around minority and marginalized identities where students can engage in community building and inclusively express their needs and concerns to faculty and administration without fear of repercussion
- EM/HS programs should provide paid opportunities for minority students allowing them to learn and gain valuable experience without sacrificing financial stability.

As the effects of climate change begin to manifest themselves the need for well-trained, creative emergency and crisis management professionals will only increase. Historically, the backgrounds of these professionals have not matched the backgrounds of those most vulnerable to disaster and there is growing awareness for the necessity of minority perspectives and voices driving the evolution of this young field. These solutions offer opportunities to create stronger EM programs that support diversification and representation in EM leadership.

¹Knox, C.C. & Haupt, B. (2020). *Cultural Competency for Emergency and Crisis Management: Concepts, Theories and Case Studies*. Taylor & Francis

²What We Know About Gen Z So Far | Pew Research Center

³At A Glance: CDC/ATSDR Social Vulnerability Index | Place and Health | ATSDR

Special Interest Groups

Special Interest Groups (SIGs) are self-organized and self-directed for knowledge exchange on specific topics related to EM higher education. SIG members can potentially become involved in coauthoring research, mentoring students and advising practitioners. To join a SIG, contact the [SIG lead](https://training.fema.gov/hiedu/specialinterest/sig.aspx). (<https://training.fema.gov/hiedu/specialinterest/sig.aspx>). For more information, refer to the updated HiEd website [SIG page](https://training.fema.gov/hiedu/specialinterest/sig.aspx) (<https://training.fema.gov/hiedu/specialinterest/sig.aspx>).

Resources

The resources below are compiled from a variety of sources to support research or classroom use. The links are provided as a convenience. They do not constitute any endorsement or approval by FEMA or the HiEd Program.

Books

Apollo's Arrow: The Profound and Enduring Impact of Coronavirus on the Way We Live
Emergency Management: Concepts and Strategies for Effective Programs. Second Edition



EdScoop

[Higher ed policy database gives institutions a new resource](https://edscoop.com/higher-ed-policy-database-aacr/)

(<https://edscoop.com/higher-ed-policy-database-aacr/>).

Inside Higher Ed

[Enrollments Still Falling 2 Years Into Pandemic](https://www.insidehighered.com/news/2021/10/26/college-enrollments-continue-drop-fall?utm_source=Inside+Higher+Ed&utm_campaign=0dce325b44-DNU_2021_COPY_02&utm_medium=email&utm_term=0_1fcbc04421-0dce325b44-236278225&mc_cid=0dce325b44&mc_eid=c9c56ba600)

(https://www.insidehighered.com/news/2021/10/26/college-enrollments-continue-drop-fall?utm_source=Inside+Higher+Ed&utm_campaign=0dce325b44-DNU_2021_COPY_02&utm_medium=email&utm_term=0_1fcbc04421-0dce325b44-236278225&mc_cid=0dce325b44&mc_eid=c9c56ba600).

Route Fifty

[40 Million People Rely on the Colorado River. It's Drying Up Fast](https://www.route-fifty.com/infrastructure/2021/08/40-million-people-rely-colorado-river-its-drying-fast/185001/)

(<https://www.route-fifty.com/infrastructure/2021/08/40-million-people-rely-colorado-river-its-drying-fast/185001/>).

Watch and Learn FEMA Webinar: Investing in Our Future, Planning Now: Addressing Future Climate, Population and Land Use in Mitigation Planning

The webinar provides ideas, resources and examples of how to integrate future conditions information into the hazard mitigation planning process to increase overall resilience. The intended audience for this training is state, local, tribal and territorial governments and other private sector and non-government partners involved in developing hazard mitigation plans. Watch the training on [FEMA's YouTube channel](https://www.youtube.com/watch?v=VHHGtCt7ZMM) (<https://www.youtube.com/watch?v=VHHGtCt7ZMM>).



Climate



Population



Land Use

Earlier this month, Deanne Criswell, FEMA Administrator, had the chance to meet with leaders across the country to discuss the future of emergency management, first at the [National Emergency Management Association \(NEMA\) Annual Forum](https://www.fema.gov/fact-sheet/fema-administrator-deanne-criswells-remarks-nema-2021-annual-forum) (<https://www.fema.gov/fact-sheet/fema-administrator-deanne-criswells-remarks-nema-2021-annual-forum>) in Cleveland, Ohio and then at the [International Association of Emergency Managers \(IAEM\) Conference](https://www.fema.gov/fact-sheet/fema-administrator-deanne-criswells-remarks-2021-iaem-conference) (<https://www.fema.gov/fact-sheet/fema-administrator-deanne-criswells-remarks-2021-iaem-conference>) in Grand Rapids, Michigan.

“I spoke with federal, state, local, tribal, and territorial leaders about the most pressing issues facing our communities, namely the evolving role of emergency managers and the expanding risks we face. However, the risks we face, and our evolving roles, is a reality shared by the FEMA workforce.

Climate change is transforming our discipline and we must work diligently to understand and anticipate future challenges we will face. This understanding will enable us to drive comprehensive, systems-based community mitigation projects that provide long-lasting resilience.”



Calendar

DHS Cooling Solutions Challenge

In September, DHS announced a new prize competition to find innovative cooling solutions. This is the first in a series of prize competitions focused on strengthening nationwide resilience to climate change.



The Challenge is designed to spur groundbreaking cooling solutions to counter extreme heat facing communities across the country. Extreme heat is a silent killer, and according to the Centers for Disease Control and Prevention (CDC) is the nation's leading cause of weather-related deaths. During and after a natural disaster, such as a hurricane, power outages resulting in a loss of air-conditioning can have serious consequences for those at risk of heat-related illness and vulnerable populations.

Contestants can enter the **Cooling Solutions Challenge** until December 7 to compete. The top prize is \$50,000 with a runner up of \$20,000. DHS plans to announce the finalists in January and the prize winners in March. To submit an entry, check out [DHS's prize competition page](https://www.dhs.gov/science-and-technology/prize-competitions) (<https://www.dhs.gov/science-and-technology/prize-competitions>).

Call for Proposals, 37th Annual Pacific Rim International Conference on Disability & Diversity, February 28 and March 1, 2022, a virtual hybrid conference *Mobilize for Action!* in topics such as Disaster and Emergency Preparedness. More information can be found at <https://pacrim.coe.hawaii.edu/>. Submission deadline: **December 1, 2021**.

FEMA posted funding notices for two hazard mitigation grant programs for \$1.16 billion.

The [Flood Mitigation Assistance](https://www.fema.gov/grants/mitigation/floods) (<https://www.fema.gov/grants/mitigation/floods>) and the [Building Resilient Infrastructure and Communities](https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities) (<https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities>) provides funds to states, local communities, tribes and territories for eligible mitigation activities to strengthen our nation's ability to build a culture of preparedness. The application period opens on September 30 and the funding notices are available on Grants.gov. Eligible applicants must apply for funding using FEMA Grants Outcomes, the agency's grants management system. **Submit applications in FEMA Grants Outcome Portal no later than 3 p.m. ET on January 28, 2022.** Applications received by FEMA after this deadline will not be considered for funding. For more information, interested applicants should contact their [state hazard mitigation officer](http://www.fema.gov/grants/mitigation/state-contacts) (www.fema.gov/grants/mitigation/state-contacts).



Employment Opportunities

Federal vacancies are posted on [USAJOBS](https://www.usajobs.gov) at <https://www.usajobs.gov>. When you save a search, they will automatically send email updates with new jobs that match the criteria.

Higher Education Vacancies:

- [Texas A&M University – Commerce](https://tamus.wd1.myworkdayjobs.com/en-US/TAMUC_External/job/Commerce-TAMUC/Assistant-Professor---Epidemiology_R-043679?source=HigherEdJobs) - Assistant Professor – Epidemiology
(https://tamus.wd1.myworkdayjobs.com/en-US/TAMUC_External/job/Commerce-TAMUC/Assistant-Professor---Epidemiology_R-043679?source=HigherEdJobs)
- [University of Southern Mississippi](https://usm.csod.com/ats/careersite/JobDetails.aspx?id=2278&site=1) - Assistant Professor – Epidemiology
(<https://usm.csod.com/ats/careersite/JobDetails.aspx?id=2278&site=1>)
- [Kutztown University of Pennsylvania](https://www.kutztown.edu/about-ku/administrative-offices/human-resources/employment/faculty-employment/criminal-justice-pt-temp-%E2%80%93-homeland-security-%E2%80%93-1150b_101921_8856.html) - PT Temporary Faculty Position in Criminal Justice - Homeland Security & Emergency Management
(https://www.kutztown.edu/about-ku/administrative-offices/human-resources/employment/faculty-employment/criminal-justice-pt-temp-%E2%80%93-homeland-security-%E2%80%93-1150b_101921_8856.html)
- [University of Nebraska at Omaha](https://unomaha.peopleadmin.com/postings/14261) - Assistant Professor - Emergency Management and Disaster Sciences
(<https://unomaha.peopleadmin.com/postings/14261>)
- [San Diego State University](https://apply.interfolio.com/97570) - Assistant Professor: Cybersecurity
(<https://apply.interfolio.com/97570>)
- [College of Western Idaho](https://careersmanager.pageuppeople.com/1005/cw/en-us/job/493473?lApplicationSubSourceID=11250) - Instructor, Cybersecurity
(<https://careersmanager.pageuppeople.com/1005/cw/en-us/job/493473?lApplicationSubSourceID=11250>)
- [West Virginia University](https://wvu.taleo.net/careersection/faculty/jobdetail.ftl?job=17936&tz=GMT-04%3A00&tzname=America%2FNew_York) - GIS Geographer - Geology and Geography
(https://wvu.taleo.net/careersection/faculty/jobdetail.ftl?job=17936&tz=GMT-04%3A00&tzname=America%2FNew_York)
- [Oklahoma State University](https://okstate.csod.com/ats/careersite/JobDetails.aspx?site=8&id=10150&source=HEJ) - Geographic Information System (GIS) Specialist II
(<https://okstate.csod.com/ats/careersite/JobDetails.aspx?site=8&id=10150&source=HEJ>)

FEMA and the HiEd Program do not endorse any non-government websites, companies or applications

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FEMA's mission is helping people before, during, and after disasters.

Download the [FEMA App](https://www.fema.gov/mobile-app) (<https://www.fema.gov/mobile-app>) **to receive weather alerts from the NWS for up to five different locations anywhere in the U.S.**