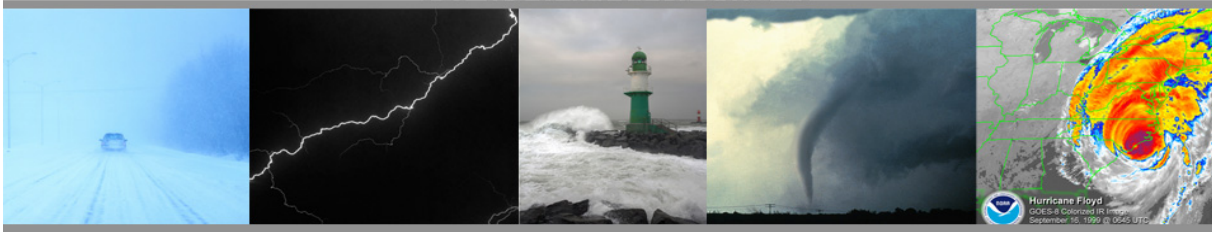




WE CARE About NJ!



Weather & Environmental Hazards

The Challenges of Awareness, Research, and Education in NJ

KEAN UNIVERSITY
www.kean.edu



Concurrent Activities & Workshops (Educational Sessions)

All activities are intended to raise awareness, educate, and engage audiences through demonstrations, inquiry-based, and hands-on methods. Participants are encouraged to attend several different activities each half hour.

9:00 am School & Public Check-in begins

9:00-11:15 am Public activities, educational sessions & workshops:

C—330 CESE & Planetarium Show

UC 337A CoCoRAHS

UC 337 B Cyberchase

UC Atrium EMS/EMT

C—338 'Google Earth'

UC Atrium IUES "environmental mapping"

T-117 NJAS/NJCSTME "3-D projection"

UC Greek Lounge NWS/NOAA Sciences & Opportunities

UC Atrium Red Cross

UC Atrium The Salvation Army

11:15 am-noon School groups lunch in Kean Hall, Rm 127

**Noon-1:00 pm Campus Tours for 'Getting to know KU (School Groups only)
(School and Public activities end by 1:00pm)**

2:00pm Campus Tours available for the general public

("C" is the Science bldg, "T" is Townsend, & "UC" is the University Center)

See activities/workshops descriptions on the back

Education Sessions & Workshops

CESE & Planetarium Show

Presenter **Will Heyniger**

The new planetarium projector will be used to illustrate the many wonders of the Universe. This includes exploration of Comets, black holes, and galaxies. Dept. Of Geology & Meteorology faculty, staff, and students will examine these features and consider the hazards posed, based on the principles of astronomy.

CoCoRaHS

Presenter **Henry Reges**

CoCoRaHS is the Community Collaborative Rain, Hail and Snow Network, will demonstrate how to measure precipitation in your own backyard, an important task that citizens can perform to help scientists in filling in the observation gaps while learning about rain and snow patterns in their communities.

Cyberchase

CYBERCHASE is the Emmy award-winning animated math series on PBS KIDS GO! that features a team of curious kids who use math and problem solving to outsmart a villain Hacker in their adventurous quest to save Cyberspace. Each episode ends with a live-action For Real segment that explores the show's math topic in the real world. Teachers will be able to learn about and sign up for free PBS classroom resources.

'Google Earth'

Presenters **Dr. Qi and Dr. Ngoy**

This presentation will include two Google Earth demonstrations in a hands-on session. The participants will also learn about air quality measures, the hazard of air pollution, and how to contribute to reduce air pollution.

IUES "environmental mapping"

Presenter **Daniela Shebitz**

Dr Shebitz will lead an interactive classroom session and outdoor activity to discuss how to monitor a river ecosystem for potential hazards such as poor water quality and invasive species. Activities will include Stream monitoring, using probes and other tests to record values of water quality and also invasive species identification.

NJAS/NJCSTME "3-D projection"

Presenters **Alex Krause & Aaron Zuckerman**
NJCSTME students (Faculty mentor **Dr. Joiner**)

3-D display hardware, including animations related to geometry, calculus, physics, and biology will be demonstrated.

NWS/NOAA Sciences & Opportunities

Presenters **G. Conte, R. Krudzlo, & J. Miketta**

The presenters will introduce NOAA, an agency that enriches life through science. They will talk about their experiences and opportunities as members of the National Weather Service Forecast Office (WFO) and the National Weather Service.

Red Cross

The representatives of the Colonial Crossroads Chapter of the American Red Cross Disaster Preparedness and Response will educate participants on disaster preparedness and response services, life-saving skills training, such as CPR, First Aid, and water safety; armed forces emergency services, transportation and blood services. Find out how you can become a member of the Disaster Action team (DAT).

The Salvation Army

Presenters **Russ Hendrickson & Scott Sheperd**

The Salvation Army responds to public needs at the time of disasters. Learn more about becoming a Salvation Army Emergency Disaster Services Volunteer from the Salvation Army representatives.