

NSF Convergence Workshop
on
Bringing Land, Ocean, Atmosphere and Ionosphere Data to the Community
for Hazards Alerts
24-28 May 2021

Committees and Tentative Program for the proposed workshop

(We will reach out to experts and representatives from various groups who will be invited to attend for their opinion)

Steering Committee

Ramesh P Singh (Chair) (Earthquake, Cyclone, Volcano, Dust storms)

- Ann Gordon (subject expert of FEMA and PI of Chapman Survey of American Fears)
Chapman University, Orange, CA
- Binod Tiwari (Landslides, Mud flow, Earthquake)
Associate Vice President for Research and Sponsored Projects
California State University, Fullerton
- Carolynne Hultquist (Social media)
Postdoctoral Research Scientist at the Center for International Earth Science Information
Network (CIESIN) and the Lamont-Doherty Earth Observatory, Columbia University
- Guido Cervone (Data mining, modelling)
Associate Director, Institute for Computational and Data Sciences
Pennsylvania State University
- Marco Tedesco (Hurricane and Flood),
Lamont Research Professor at Lamont-Doherty Observatory of Columbia University
- Michael J. Willis (Coastal subsidence, Sea level rise)
CIRES Fellow and Department of Geological Sciences
University of Colorado, Boulder
- Phu Nguyen (Extreme events, floods)
Center for Hydrometeorology & Remote Sensing, Dept. of Civil & Environmental
Engineering, UC Irvine
- Rasoul Sorkhabi (Energy Resources and Industries) Research Professor
University of Utah, Energy & Geoscience Institute
- Robert Weiss (Coastal Hazards)
Center for Coastal Studies (Coastal@VT), Director, Virginia Tech
- Seung Hee Kim (Forest fires)
Associate Director, CEESMO, Chapman University
- Thomas E. Gill (Dust storms)
The University of Texas at El Paso, USA
- Vipin Kumar (Big data)
Regents Professor and William Norris Chair in Large Scale Computing
Department of Computer Science and Engineering
University of Minnesota, Minneapolis, MN 55455
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**NSF Sponsored Convergence Virtual Workshop on
Bringing Land, Ocean, Atmosphere and Ionosphere Data to the Community
for Hazards Alerts**

Tentative schedule

Speakers from various agencies working related to Natural Hazards will be Invited to give talk and act as panelists.

Proposed date of virtual workshop: **May 24 – 28, 2021**

Timings:

7.00 – 10.30 am PST – take care of participation from Europe, India, Singapore,
4.00 -9.00pm PST – take care of participants from Korea, Taiwan, China, Japan,

Registration: Free registration,

- Free Registration for the workshop starting from 1 April 2021
- Free Registration of Invited Speakers 1 April – 30 April
- Final Program and upload on the website – 10 May 2021

Session 1: Satellite, Ground and Borehole data related to NH

Panelists: David Green, USGS, NOAA, EPA, ESA, JAXA, Chinese, Korean,

Session 2: Hydrometeorological driven NH (Droughts)

Panelists: Felix Kogan – NOAA, Vimal Mishra – IIT Gandhinagar, Amir AghaKouchak UCI,
Director of US Drought Center

Session 3: Session on Floods

Panelists: Son Nghiem, Phu Nguyen, Soroosh Sorooshian,

Session 4: Landslides

Panelists: Binod Tiwari, David Petley, Nicola Casagli, Brian Collins, Faisal Fathani, Peter Bobrowski, Surya Prakash, Dalia Kirschbaum,

Session 5: Dust storms

Panelists: Tom Gill, representatives from Sand and Dust storms

Session 6: Forest Fire

Panelists: Ann Gordon, Son Nghiem,

Session 7: Ocean related NH Tropical storms and Sea Level rise)

Panelists: Ning Li, Dave Jones, Mohapatra, Yuei-An Liou, Tony Song, T. Srinivasan

Session 8: Coastal associated Hazards

Panelists: Mike Wills, Robert Weiss,

Session 9: Earthquakes and Volcanoes associated with Ionospheric perturbations

Panelists: K. Heki, Karl Kappler, Giovanni Occhipinti, Philippe Lognonne, Dylan Mikesell

Session 10: Energy Related Natural Hazards

Panelists: Rasoul B. Sorkhabi, representatives from Oil industries, Environmental Defense Fund, Daniel Cusworth (JPL),

Session11: Big Data and Data mining

Panelists: Vipin Kumar, Guido Cervone, representative from ESIP,

Session 12: Space weather:

Panelists; Bill Murtagh, NOAA/SWPC, Conrad Lautenbacher, American Commercial Space Weather Association, Bill Bauman, Federal Aviation Administration, Juha-Pekka Luntama, European Space Agency

Session 13: NH and Health and NH Communication using social media and Graphic design

Panelists: Vijay Limaye (NRDC), Claudine Jaenichen, Representatives from ESRI, Google, Facebook, FEMA, Red cross, Ann Gordon,

Session 14: Final Summary session:

Final Discussion on Outcome: Efforts are needed to provide Natural Hazards Alerts to Community across US and other parts of the world