

Wind Hazard and Infrastructure Performance

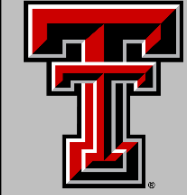
Industry Members

Year 4

- Verisk. Boston, MA 
- Berkshire Hathaway - Specialty Insurance. Boston, MA 
- GAF Materials – Roofing. Parsippany, NJ 
- NIST – Federal Agency in Charge of NWIRP, Gaithersburg, MD 
- State Farm - Insurance. Bloomington, IL 
- USAA. San Antonio, TX 

Previous : SCOR, Permasteelisa, AIG, RMS



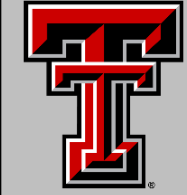


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State of WHIP Center Year 4

- Annual Meeting on March 24 -25, 2022
 - NIST is new member
 - IAB approved six projects (seven proposals)
 - Mentor volunteering is excellent
 - Fees arrived late; funding for projects was delayed
- Progress Report Meeting on August 10, 2022
 - Recruiting through publicity
 - Social media, promotional articles, webinars





Wind Hazard and Infrastructure Performance

Recruiting Efforts

- LinkedIn page: www.linkedin.com/company/wind-hazard-and-infrastructure-performance-center/
- Insurer TV Broadcast; Jean-Paul Pinelli is scheduled on Dec. 7, 2022
- Promotional article
- Webinar

*Free webinar
The WHIP Center, why it makes good “cents” to be a member!*

Wednesday, November 16, 2022

12:00 - 1:00 P.M. Central

- Postcard





WHIP-C



Wind Hazard and Infrastructure Performance



What is WHIP

WHIP is an Industry-University Cooperative Research Center sponsored by the National Science Foundation (NSF). Its mission is to pursue research of interest to industry to enhance the resiliency of buildings and infrastructure to hurricanes and tornadoes. The research thrusts of the Center include:

- Characterization of Wind (and related) Hazard
- Assessment of Buildings & Infrastructure Vulnerability
- Evaluation of Societal Impact and Community Resilience

NSF GRANT 1641523 & 1841503



Why Belong to WHIP

- Research gives competitive advantage to your business
- Investment gives high return from pooled funds
- First access, royalty-free rights to intellectual property
- Access to research faculty, students, and state-of-the-art facilities
- Connection with students gives advantage in recruiting
- Social responsibility to mitigate damage and suffering

Challenges

- Losses of life and property create societal stresses
- Infrastructure damage causes business interruption
- Slow transition of innovations to mitigation measures



IUCRC



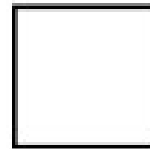


WHIP-C



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"Given Verisk's significant investments in cutting-edge research and modeling, WHIP opens up our world to the incredibly talented academic fraternity at TTU, FIU and FIT. This not only facilitates collaboration, interaction and exchange of ideas but also helps build a pipeline to attract future talent in the catastrophe modeling industry."

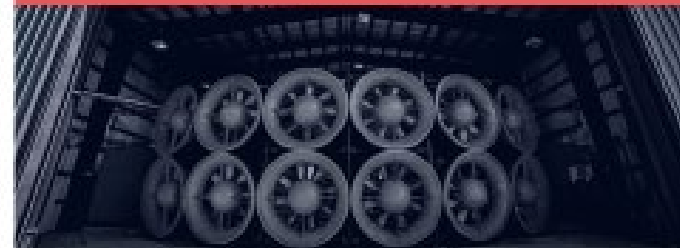
*-David Bernthal, Ph.D., CC, CE, Assistant VP & Principal Engineer
Test Research & Modeling*

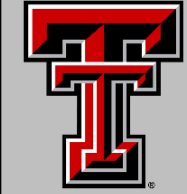


Contact Us

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VISIT OUR WEBSITE
www.whipc.org



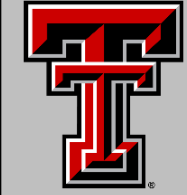


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Companies Invited to Meeting

AON (Megan Hart, unable to come but interested); AXA XL (Iona Dima-West, could not justify travel from U.K.); APEX Clean Energy (Tassia Pereira, no response); API (Jackie Defreitas, not interested); Brookfield Renewable (Neha Marathe, no response); CoreLogic (Mahmoud Khateri, no response); DNV (Mika Jovanovic, conflict but will contact); ESDCE (Yann Schwarz, participant); FEMA (Pataya Scott, conflict); FLOIR (Michelle Brewer, not as a member); Gradient Wind (Un Yong Jeong, participant); Guy Carpenter (Apoorv Dabral, cannot justify travel from Singapore); Katrisk (Guy Morrow & Dag Lohman, no response); Liberty Mutual (Kelly Hereid, no response); McDermott-CB&I (Greg Soules, conflict but interested); MunichRe (Jenifer Golec & Mike Deleon, no response); RWE Renewables (Morgan Schwenn, checked with peers – no response); Simpson Strong-tie (Doug Allen, indirect no); SwissRe (Bin Pei responded no); Willis (Helene Galy, no response)



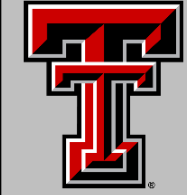


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L.I.F.E. Site, Meeting, Role

- <https://iucrclife.chass.ncsu.edu/lifeforms/index.php>
 - Click on November 10th, 2022, WHIP Center
 - Password: Nov102022mtg!
- Select : Industry
- Select : Evaluate Project
- Rate – Ask question and/or Comment



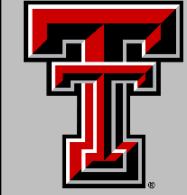


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AGENDA

- 8:00 am Mehta: Introduction & State of WHIP
- 8:30 am Dr. Crystal Leach, NSF Program Director
- 9:00 am Elawady/Pinelli (FIU/FIT) *Windborne Tree Debris*
- 9:25 am Smith (TTU) *Wind and Surge*
- 9:50 am Break
- 10:00 am Kachouie/Pinelli (FIT) *Field Damage*
- 10:25 am Tim Doggett (IAB Chair)
- 10:55 am Zuo (TTU) *Tornadic Loading*
- 11:20 am Zisis/ Lee (FIU) *Irregular Shaped Buildings*
- 11:35-12:35 pm Lunch in Room 103





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Agenda (cont.)

- 12:35 pm Erica Sherman (IAB Chair-elect)
- 12:55 pm Chowdhury/Zisis /Elawady (FIU) *Rooftop Photovoltaic Systems*
- 1:20 pm Participants *Research for Year 5*
- 2:00 pm Mehta *Schedule for Year 5*
- 2:10 pm Break
- 2:15 pm Executive Session *IAB and Site Directors*
- 3:00 pm Adjourn and NWI facilities

