

YEAR 3 WHIP Annual Meeting

April 1-2, 2021

Agenda

All Times Are CDT (Chicago)

April 1, 2021 (Thursday)

8:15-8:30	Networking
8:30-8:40	Introduction & Preamble
8:40-8:55	State of WHIP by Mehta, Zuo, and Zisis; LIFE form by Mehta
8:55-9:10	Comments by NSF Director Prakash Balan
9:10-9:50	<p>Progress Report 1. Investigation of wind performance of roofing elements using full-scale experimentation, Co-PIs: Arindam Chowdhury and Ioannis Zisis, Florida International University; Mentor: Ming Shiao</p> <p>Progress Report 2. Prediction of wind and surge damage to buildings by hurricane, PI: Doug Smith, Texas Tech University; Mentor: Tim Doggett</p>
9:50-10:00	Break
10:00-10:40	<p>Progress Report 3. Estimation of interior and content damage due to wind driven rain ingress in to mid/high-rise buildings, PI: Jean-Paul Pinelli, Florida Institute of Technology; Mentors: Maurizio SAVINA and Karthik Ramanathan</p> <p>Progress Report 4. Investigation of wind driven rain and wind-induced vibration effects on curtain wall systems, Co-PIs: Amal Elawady and SJ Lee, Florida International University; Mentor: Guido Lori</p>
10:40-11:40	<p>P01. PI: Chowdhury, Co-PI: Zisis Investigation of installation and anchor requirements of roof systems under high wind conditions</p> <p>P02. PI: Chowdhury, Co-PI: Zisis Wind effects on roof-mounted photovoltaic systems</p> <p>P03. PI: Subramanian, Co-PIs: Pinelli, Zisis, Zuo Wind-induced pressure monitoring on a mid/high-rise building</p> <p>P04. PI: Zisis, Co-PI: Lee Wind-induced loads on irregular shaped buildings</p>
11:40-12:15	Lunch Break
12:15-1:15	<p>P05. PI: Pinelli, Time related expenses model, based on combination of exterior, interior, and contents damage</p> <p>P07. PI: Elawady, Co-PI: Pinelli Empirical vulnerability model to assess impact of windborne tree debris on low-rise construction</p> <p>P08. PI: Elawady, Co-PI: Lee Understanding the impact of design strategy, installation and service life effects on the wind hazard resistance of curtain wall system</p> <p>P09. PI: Lee, Co-PI: Elawady Thunderstorm Downburst-Induced Dynamic Response of Curtain Wall Systems</p>

1:15-1:30	Break
1:30-2:30	<p>P10. PI: Ewing Probabilistic Modelling of Household Recovery after Hurricane and Wind Disaster</p> <p>P11. PI: Zuo, Development of Fragility Curves for Tornadic Loading on Low-Rise Buildings</p> <p>P12. PI: Smith, Prediction of wind and surge damage to buildings by hurricane</p> <p>P06. PI: Pinelli, Co-PI: Mehta, Zuo, Zisis Exploratory investigation of field damage, hazard, and institutional data for potential use in risk models</p>
2:30-3:00	Completing of L.I.F.E. form
3:00-3:15	Debriefing of guests by Gray
3:15-3:30	Discussion on By-laws changes
3:30	Adjourn; Faculty provides responses to L.I.F.E.

April 2, 2021 (Friday)

8:30-9:45	Closed session of IAB for selection of projects and allocation of funds
9:45-10:00	Debriefing by IAB Chair to Directors of selection of projects
10:00-11:00	Voting on By-Laws changes, Selection of Chair-Elect, Discussion on recruiting of new members during the year
11:00	Adjourn