

WHIP Center IAB Annual Meeting – Year 2

March 26-27, 2020

Virtual Meeting (due to COVID-19)

Minutes (Time in EDT)

DAY 1, March 26		
9:01	Mehta	Call to order
		Roll Call
		Agenda
9:10	Mehta	Preamble
		State of WHIP
	Zisis & Zuo	Site updates
9:30	Greg Reed	NSF IUCRC Program Director
		<ul style="list-style-type: none">• Approval of year 1 reports• Comment on economic situation and how it might affect the Center• Supplemental funding (REU, RET, Postdocs)
9:52	Denis Gray	LIFE – Project feedback mechanism <ul style="list-style-type: none">• Comment: Some projects have high budget which makes it difficult for the IAB to select multiple projects.• Guests are allowed to submit feedback using the LIFE form.
10:15	Doug Smith	Year 1 Report: Prediction of wind and surge damage to buildings by hurricane Year 2 Proposal: Same title Q&A
10:47	Arindam Chowdhury	Year 1 Report: Investigation of wind performance of roofing elements using full-scale experimentation Year 2 Proposal: Same title Q&A
11:25	Amal Elawady/ SJ Lee	Year 1 Report: Investigation of wind-driven rain and wind-induced vibrations effects on curtain wall systems Year 2 Proposal: Same title Q&A
11:57	Jean-Paul Pinelli	Year 1 Report: Estimation of interior and content damage due to wind-driven rain ingress into mid/high rise buildings Year 2 Proposal: Same title :Implementation Q&A
12:25	Ioannis Zisis	Year 2 Proposal: Wind-induced loads on irregular shaped buildings Q&A

12:40	Xinzhong Chen	Year 2 Proposal: Assessment of inelastic wind load effect of tall buildings for performance-based design Q&A
12:53	Delong Zuo	Year 2 Proposal: Development of Fragility Curves for Tornadic Loading on Low-Rise Buildings Q&A
1:10		Lunch break
2:05	James Yang	Year 2 Proposal: Numerical simulation prediction on hail impact resistance performance of roof asphalt shingles Q&A
2:23	Yisha Xiang	Year 2 Proposal: Cost-effective and high-performance vision-based measurement system for real-time monitoring of structural dynamic responses Q&A
2:33	Mohamed ElZomor	Year 2 Proposal: Assessment to Human Comfort during Wind-Induced Vibrations of Curtain Wall Systems Q&A
2:49	Ting Lin	Year 2 Proposal: Probabilistic Projections of Sea-Level Rise for Infrastructure Resilience Q&A
3:04		Break
3:12	Xinzhong Chen	Year 2 Proposal: Evaluation of Dynamic Wind Loads on Buildings by Wall-Modeled Large-Eddy Simulation Q&A
3:26	Manohar Chamana	Year 2 Proposal: Resiliency Enhancement of Electrical Distribution Networks against Wind-induced extreme weather events Q&A
3:40	Mehta and Gray	Closing remarks
4:16		Day 1 Meeting adjourned

DAY 2 March 27		
9:30-10:45		IAB Closed Meeting
10:45	Kevin McGrath	IAB Briefing <ul style="list-style-type: none"> • Continue supporting the ongoing projects <ul style="list-style-type: none"> ➤ Prediction of wind and surge damage to buildings by hurricane; PI: Doug Smith ➤ Investigation of wind performance of roofing elements using full-scale experimentation; PI: Arindam Chowdhury

		<ul style="list-style-type: none"> ➤ Investigation of wind-driven rain and wind-induced vibrations effects on curtain wall systems: PIs: Amal Elawady and SJ Lee ➤ Estimation of interior and content damage due to wind-driven rain ingress into mid/high rise buildings: Implementation; PI: Jean-Paul Pinelli <ul style="list-style-type: none"> • Budgets on each project were adjusted • Proposals by Ioannis Zisis and Delong Zuo also scored high. IAB is willing to provide letters of support that can be used in submissions to other agencies • Encourage communication among non-funded project PIs
11:00		<p>Open discussion:</p> <ul style="list-style-type: none"> • Arindam requested clarification on how to improve communication with IAB members (not only project mentor) • Kevin asked PIs to help more with recruitment of new industry members • Arindam suggested regular meetings to discuss strategies to recruit new industry partners • Kevin: IAB members can provide list of key events and conferences • Denis: Pay attention to budgeting year for specific companies (certain times of the year easier to secure funds)
11:25		Break
11:45	NSF, IAB and Directors	<p>By-Laws and other items:</p> <ul style="list-style-type: none"> • Discussion on recruitment of new members • 2-page report on progress every 3 months? Monthly updates? • Keep IAB informed on progress (monthly) and promote interaction • Monthly zoom meetings should be planned for progress reports on projects and to discuss other items. • Ioannis: Follow up with membership fees • Publications • Next meeting location: Dallas? To be decided later <p>By-Laws: Kishor has detailed notes. A new Draft will be produced for distribution.</p>
12:45		Day 2 Meeting adjourned

