

2021 Joint FIU Wall of Wind and Lehigh RTMD NSF NHERI Experimental Facility User Workshop



February 25-26, 2021

Online Workshop via Zoom: TBD

Times below are Pacific Standard Time (PST)

AGENDA

February 25, 2021

| Time | Item Description |
|-------------|--|
| 09:00-09:10 | Welcome, introductions and workshop schedule |
| 09:10-09:25 | Overview of the NHERI Wall of Wind (WOW) Experimental Facility (EF) |
| 09:25-09:40 | Overview of the NHERI Lehigh Real-Time Multi-Directional Testing (RTMD) EF |
| 09:40-10:00 | Virtual Tour of the NHERI WOW EF |
| 10:00-10:10 | Short break |
| 10:10-10:30 | Virtual Tour of the NHERI RTMD EF |
| 10:30-11:00 | Test design and planning using NHERI WOW EF: Aeroelastic, Aerodynamic, Destructive and Wind-Driven Rain Tests, Downburst Simulations |
| 11:00-11:30 | Test design and planning using NHERI RTMD EF |
| 11:30-12:00 | Lehigh-FIU Hybrid Wind Simulation Developments |
| 12:00-12:10 | Closing Remarks |
| 12:25 | One-on-one sessions between participants and WOW EF or RTMD EF to discuss research ideas and (30 min sessions-Registration required) Zoom Meeting with Lehigh RTMD EF Faculty: https://fiu.zoom.us/j/95964210395?pwd=ZXBMRmpoM04yT3NzTnB3K0YzMFltdz09 Meeting ID: 959 6421 0395 / Passcode: 6ws4th Zoom Meeting with FIU Wall of Wind EF Faculty: https://fiu.zoom.us/j/99210475359?pwd=SHoxajc2M0djcWY4R0dRRFJXMIn0Zz09 Meeting ID: 992 1047 5359 / Passcode: e8bzWV (Guests will be placed in a "waiting room" and let in for 30-minute increments) |

February 26, 2021

| Time | Item Description |
|-------------|--|
| 09:00-09:30 | Roadmap of Support Provided to NHERI EFs Users (WOW and RTMD) |
| 09:30-10:00 | A Cyber-Physical System for Fluid-Structure Interaction: Wind Engineering Applications- Dr. Teng Wu |
| 10:00-10:10 | Short break |
| 10:10-10:40 | Real-Time Aeroelastic Hybrid Simulation Method for a Bridge Deck Section Model and a High-Rise Building Model-Dr. Oh-Sung Kwon |
| 10:40-11:10 | MECHS initiatives: Discussions of future needs and action plans- Dr. Shirley Dyke |
| 11:10-11:25 | Closing remarks |
| 12:30 | One-on-one sessions between participants and WOW EF or RTMD EF to discuss research ideas and (30 min sessions-Registration required) Zoom Meeting with Lehigh RTMD EF Faculty: https://fiu.zoom.us/j/93148687877?pwd=dTBOTUpIUGpqMEo4TTBhdWY2ekRaUT09 Meeting ID: 931 4868 7877 / Passcode: HSpNL2 Zoom Meeting with FIU Wall of Wind EF Faculty: https://fiu.zoom.us/j/93208136596?pwd=SEpNcEpjQjF1NTVLMUQrUINNcVByZz09 Meeting ID: 932 0813 6596 / Passcode: 2DVh4G (Guests will be placed in a "waiting room" and let in for 30-minute increments) |