

The Vertical Flight Society Southwest Chapter presents...



a webinar, featuring

Caitlin Berrigan

Control Law Engineer, Bell

and

Mark Lopez

Aerospace Engineer, US Army CCDC AvMC



Bell V-280 Application of Joint Input-Output Methodology for Hover Model Identification

Tuesday, November 10, 2020

Ms. Caitlin Berrigan is currently a Control Law Engineer on the V-280 Valor program at Bell, a wholly owned subsidiary of Textron Inc. Her duties include time and frequency domain analysis, safety of flight test data monitoring, on-aircraft flight control support, and open and closed loop software testing in support of the V-280 AVCD program. Prior to her time at Bell, Caitlin worked at Textron Aviation as a Mechanical Systems Engineer on the Citation Longitude High Lift System, and a Flight Controls Unit Member apprentice.

Dr. Mark Lopez is an aerospace engineer at the U.S. Army Combat Capabilities Development Command Aviation & Missile Center (CCDC AvMC) at Moffett Field, CA. He leads the CCDC AvMC efforts for flight mechanics modeling and simulation, including physics based models and system identification. He currently leads flight mechanics efforts for Future Vertical Lift related configurations including both manned and unmanned vehicles. Prior to joining CCDC AvMC, he received his PhD in 2016 from the Georgia Institute of Technology in aerospace engineering with his work on rotorcraft integrated flight and vibration control design under Dr. J.V.R. Prasad. His current interests are in modeling of FVL configurations and Group 3 UAS for last mile assured resupply.

Free Event

Time and Location:

Event: 6pm

Presentation: 6:30pm

Online Webinar

Details to be emailed to registrants

For additional information on the dinner or VFS, please contact one of the following people:

Elizabeth Ward (817) 280-3806

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<http://southwest.vtol.org/>

Please **RSVP** by completing the [online form here](#) by **7:00am on Tuesday November 10, 2020**.
If you have any issues with the form, email Karl Kulling at kkulling@gmail.com or call 845-926-2694