

• ROOM 210AB •  
• ANAHEIM CONVENTION CENTER •

• THE •  
• ((QUIET)) •  
ELECTRIC VTOL  
REVOLUTION

• 9-11 A.M. WEDNESDAY, JANUARY 29 •



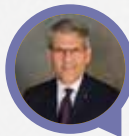
# THE QUIET ELECTRIC VTOL REVOLUTION

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**Electric vertical takeoff and landing (eVTOL) aircraft can't yet compete with helicopters on range or hovering ability. But they hold a commanding advantage over helicopters when it comes to noise — and that could revolutionize the use of vertical-lift aircraft within cities. Join us for an in-depth discussion on helicopters, eVTOLs, and noise featuring leading members from the eVTOL industry and HAI's Fly Neighborly Working Group. We'll look at why eVTOLs are quieter than helicopters, how quiet they'll need to be to enable large-scale urban air taxi operations, and what that will mean for existing helicopter operations. The future is closer than you think — don't get left behind.**

## MIKE HIRSCHBERG

VERTICAL FLIGHT SOCIETY



Since 2011, **Mike Hirschberg** has served as the executive director of the Vertical Flight Society, which was originally founded in 1943 as the American Helicopter Society (AHS). He is an aerospace engineer who previously worked on advanced aircraft development programs, supporting various government agencies for 20 years.

## ELAN HEAD

VERTICAL MAGAZINE



**Elan Head** is special projects editor for *Vertical Magazine*. She is an FAA Gold Seal flight instructor with helicopter and instrument helicopter ratings, and has held commercial helicopter licenses in Canada and Australia as well as the U.S. An award-winning reporter and editor, she has been a professional journalist for more than 20 years.

## MARK MOORE

UBER



Since joining Uber in February 2017, **Mark Moore** has served as the engineering director for aircraft systems, leading technical efforts to develop the Uber Elevate ecosystem. Moore previously worked for NASA for more than 32 years, the entire time focusing on conceptual design studies of advanced aircraft concepts. His final position at NASA was as chief technologist for on-demand mobility.

## BEN GOLDMAN

JOBY AVIATION



**Ben Goldman** is the aeroacoustic lead at Joby Aviation, the California-based startup that recently unveiled its S4, a fully electric aircraft that promises to be 100 times quieter than a helicopter during take-off and landing, and near-silent in flyover. Goldman's work supports the development of quiet propulsion systems and their operation in urban environments.

## JULIET PAGE

VOLPE CENTER



**Juliet Page** is a physical scientist with the Volpe National Transportation Systems Center, a resource of the U.S. Department of Transportation. She has more than 30+ years of acoustical engineering experience, chairs the HAI Fly Neighborly Working Group, and leads the Advanced Acoustic Model helicopter and eVTOL community noise model development.

## JIM SHERMAN

VERTICAL FLIGHT SOCIETY



**Jim Sherman** joined VFS in May 2019 as the society's director of strategic development, with particular responsibility for supporting the development of the "Electric VTOL Revolution." He worked for SAE International for more than eight years as the lead event developer for aerospace and automotive technology, and previously spent 15 years as a project engineer for BAE Systems.