

Aviation Noise & Emissions Symposium

Building Better in a Changing World

May 1-3, 2022
Davis, California



Hosted By

University of California, Davis
Air Quality Research Center

Thank you Sponsors

Emerald Sponsors



Sapphire Sponsor



Ruby Sponsor



Pearl Sponsors



Sunday, May 1st

Pre-Symposium Training

12:30 - 5:00 PM **Noise 101**

Instructors:

Greg Maxwell, *Crawford,
Murphy & Tilly*

Justin Cook,
*Environmental Science
Associates*

Afternoon Group Meetings

5:00 - 6:00 PM **Annual Airport Noise &
Emissions Officer Meeting**

*Hosted By: Sam Tan, DFW
International Airport & Gabe
Andino, Teterboro Airport*

5:00 - 6:00 PM **7th Annual Community Group
Meeting**

*Hosted By: Jennifer Landsmann,
Sky Posse Palo Alto*

Monday, May 2nd

7:15 AM Registration Check-In & Breakfast

8:00 AM Conference Welcome

Thank you Casper for being a sponsor!

8:10 AM Keynote: Designing for a sustainable future of aviation

Presented by: Gregor Veble Mikic, *Joby Aviation*

Moderated by: Ian Jopson, *NATS*

9:15 AM Break with Exhibitors

9:45 AM New Entrants & Technology: Urban Air Mobility

Chaired By: Jorge Rodriguez Cifuentes, *MITRE Corporation*, Yolanka Wulff, *Community Air Mobility Initiative*, and Alex Gertsen, *National Business Aviation Association*

Community Integration of Advanced Air Mobility: Potential Impacts of Noise - Yolanka Wulff, *CAMI* & Adam Cohen, *UC Berkeley's Transportation Sustainability Research Center*

An Overview of NASA Research into Urban Air Mobility Noise - Andrew Christian, *NASA Langley Research Center*

Community Planning Strategies for Urban Air Mobility - Byron Thurber, *Arup*

11:10 AM Break with Exhibitors

11:55 AM What is "Meaningful" Community Engagement?

Chaired By: Chris Musei-Sequeira, *CJSC, LLC*, Darlene Yaplee, *Aviation-Impacted Communities Alliance and Concerned Residents of Palo Alto*, Michele Ross, *Metropolitan Airports Commission*

What meaningful engagement looks like for the FAA - Justin Biassou, *Federal Aviation Administration*

Engaging with Airport Neighbors - Michele Ross, *Metropolitan Airports Commission*

Community Engagement or DIS-Engagement? - Darlene Yaplee, *Aviation-Impacted Communities Alliance and Concerned Residents of Palo Alto*

1:00 PM Lunch

2:00 PM How Airports Can Work with Their Communities on Noise Abatement Procedures

Chaired By: Justin Cook, *Environmental Science Associates*, Sjohnna Knack, *San Diego International Airport*, and Gabe Andino, *Teterboro Airport*

Panelists:

Sjohnna Knack, *San Diego International Airport*

Steve Smith, *Ricondo*

Eric Pilsk, *Kaplan Kirsh Rockwell*

Beth White, *Federal Aviation Administration*

Lynae Craig, *Alaska Airlines*

3:40 PM Break with Exhibitors

4:10 PM Noise Metrics and Impacts: Thinking Beyond DNL

Chaired By: Xiaobo Liu, *Port Authority of New York and New Jersey*, Andrew Christian, *NASA Langley Research Center*, and Darlene Yaplee, *Aviation-Impacted Communities Alliance and Concerned Residents of Palo Alto*

Aircraft Noise: Recommendations to Improve FAA Outreach Through Enhanced Noise Metrics and Communication - Katie Hamer, *GAO*

A Framework for the Analysis of Alternative Metrics for Aviation Noise Impacts - Juan Alonso, *Stanford University*

Lies, Damned Lies, and Statistics - Cindy Christiansen, *Aviation-Impacted Communities Alliance*

5:20 PM Awards Reception

Thank you Crawford, Murphy, & Tilly for being a sponsor!

Awards Recognition:

Lifetime Achievement Award—in honor of Walter E. Gillfillan

Walt Gillfillan Awards





Tuesday, May 3rd

7:15 AM Check-In & Breakfast

8:00 AM Virtual Roundtable Discussions

Fully virtual activity. Participate through the Whova platform.

8:30 AM Break with Exhibitors

8:50 AM Health Effects of Noise – From Local to National; Three Perspectives on Research, Legislation, and Implementation

Chaired By: Gabe Andino, *Teterboro Airport*, Justin Cook, *Environmental Science Associates*, Cindy Gibbs, *BridgeNet International*

Psychosocial Health Assessment of Aircraft Noise on Occupants of an Airport and its Environs - Ayodele Faiyetole, *Singularity University & EarthSpace*

Updating Swiss guidelines for transportation noise - Martin Rösli, *Swiss Tropical and Public Health Institute*

History and Updates on Congressional Efforts to Address Health Impacts of Aviation Noise - Brad Pierce, *N.O.I.S.E.*

Special Presentation by Sean Doyle, *Federal Aviation Administration*

10:15 AM Break with Exhibitors

10:45 AM Climate Change & Aviation - Pathways to NetZero

Chaired By: Ian Jopson, *NATS*, Eric Lu, *Ramboll*, Rachel Burbidge, *EUROCONTROL*

ICAO's Long Term Goal Process - Jane Hupe, *International Civil Aviation Organization*

Potential pathways to aviation decarbonisation - Ian Jopson, *NATS*

DFW Airport's Net-Zero Carbon Roadmap - Sarah Ziomek, *Dallas Fort Worth International Airport*

Sustainable fuels contribution to reaching Net Zero - Dave Stallwitz, *Phillip 66*

Climate change risks to aviation - Rachel Burbidge, *EUROCONTROL*

12:30 PM Lunch

1:30 PM Aviation Emissions: Reduction Efforts and Current Research

Chaired By: John Pehrson, *CDM Smith*, Robbie Gross, *Crawford, Murphy & Tilly*

Airport Construction Emissions and the Development of ACEIT Version 2.0 - John Trendowski, *C&S Companies*

Mass-Scale Regional Sky Transit - Brien Seeley, *Sustainable Aviation Foundation, Inc.*

Special Presentation by Geoff Morrison, *Cadmus Group*

2:35 PM Closing Remarks

2:40 PM Symposium Programming Concludes

2:45 PM Happy Hour

Downtown Davis

*Thank You for
Joining Us in Davis!*





Thank you Program Committee

Steve Alverson, *Aviation Noise Consultant*

Gabe Andino, *Teterboro Airports*

Rachel Burbidge, *EUROCONTROL*

Andrew Christian, *Structural Acoustic Branch, NASA Langley Research Center*

Justin Cook, *Environmental Science Associates*

Cindy Gibbs, *BridgeNet International*

Alex Gertsen, *National Business Aviation Association*

Robbie Gross, *Crawford, Murphy & Tilly*

Ian Jopson, *NATS*

Sjohnna Knack, *San Diego International Airport*

Ernie Kosower, *Retired Civil Engineer*

Xiaobo Liu, *Port Authority of New York and New Jersey*

Eric Lu, *Ramboll*

Glenn Morse, *Retired, United Airlines*

John Pehrson, *Principal, CDM Smith*

Jorge Rodriguez Cifuentes, *MITRE Corporation*

Michele Ross, *Metropolitan Airports Commission*

Sam Tan, *DFW International Airport*

Emily Tranter, *N.O.I.S.E., Lockridge, Grindal Nauen P.L.L.P.*

Yolanka Wulff, *Community Air Mobility Initiative*

Darlene Yaplee, *Concerned Residents of Palo Alto*

THANK YOU TO OUR SPONSOR



CASPER

SHARED INSIGHT

WE APPRECIATE YOUR SUPPORT!



CMT

Engineers and Consultants

YOUR TRUSTED ADVISORS
ON AIR AND NOISE QUALITY.



@cmtengrs | cmtengr.com

LEECHTISHMAN

LEECH TISHMAN FUSCALDO & LAMPL

Leech Tishman represents airports & airlines, municipalities, community & special interest groups, FBOs, pilots, and educational institutions in a wide range of aviation and airport development matters.



Steven M. Taber
Aviation & Aerospace
Partner
staber@leechtishman.com

Leech Tishman's attorneys regularly guide clients through the highly-regulated world of aviation and aerospace. Our attorneys have valuable experience in administrative law, corporate and tax law, transactional law, and environmental and land use law relevant to airports.

We have assisted clients with matters including:

- Legal options regarding the implementation of new flight paths;
- Addressing the environmental impacts created by airports on residents;
- Counsel on the effects of aviation noise and pollution created by implementation of the FAA's *Next Generation of Air Transportation System*.
- Addressing environmental issues presented by new flight procedures and airport expansions.

LAX / EL SEGUNDO | 2041 Rosecrans Avenue, Suite 300, El Segundo, CA 90245 | 424.738.4400
PASADENA | 200 S. Los Robles Avenue, Suite 300, Pasadena, CA 91101 | 626.796.4000

LEECHTISHMAN.COM

PITTSBURGH, PA | CHICAGO, IL | LOS ANGELES, CA | NEW YORK, NY | PHILADELPHIA, PA | SARASOTA, FL | WASHINGTON, D.C.



SCAN ME



Envirosuite is built with real-time insights for businesses in aviation sector who rely on instant feedback to run their operations. Their airport environmental management software—EVS Aviation—is built on 30+ years of experience, solving complex challenges from airport noise, aircraft tracking, airport infrastructure, and community engagement. EVS Aviation works with over 150 airports around the world, enabling airports to visualize noise contours, map noise events and identify complaint sources. It's a dedicated platform for improving the quality, accuracy and distribution of information to airport teams, aircraft operators and the community.

2330 East Bidwell, Ste 210
Folsom, California 95630

www.envirosuite.com



L3HARRIS

L3Harris provides Noise and Operations Management Solutions (NOMS) to help airports meet their environmental program goals and improve community relations.

The L3Harris Symphony® NOMS offers a state-of-the-art, all-inclusive aircraft noise and complaint management solution powered by L3Harris NextGen Surveillance Data. L3Harris has 40+ years of experience in supporting NOMS clients.

1025 W NASA Blvd., MS C-41G
Melbourne, Florida, 32919

www.l3harris.com

Thank you for attending!

Hosted By

UCDAVIS
**AIR QUALITY
RESEARCH CENTER**

Davis, CA 95616

aqrc.ucdavis.edu

airqualityevents@ucdavis.edu

See you in
2023!

