

# 8th Annual CAFE Electric Aircraft Symposium

April 25, 26, 2014

Santa Rosa, California



**8th Annual CAFE Electric Aircraft Symposium**  
**April 25, 26, 2014, Flamingo Resort, Santa Rosa, California**

This special program convenes authoritative leaders in the key technologies that will enable electric flight to sustainably transform transportation.

**Preliminary Program – Day One, Friday, April 25**

- 07:15 Full Breakfast (included with registration), Badge and Program pickup
- 08:00 *Opening Remarks, Dr. Brien Seeley, President, CAFE Foundation*
- 08:05 **Ajay Misra**, NASA Glenn Research Center, *"Nano-magnets and Additive Manufacturing for Electric Motors"*
- 08:30 **Dr. Qichao Hu**, MIT, SolidEnergy, *"Ultra-high Energy Density Lithium battery"*
- 09:00 **Dr. Gecheng Zha**, Univ. of Miami, *"Forward Sweep in ePropeller Blades"*
- 09:25 **Barnaby Wainfan**, Northrop Grumman, *"Aircraft for Extremely Short Runways"*
- 09:50 **David Calley**, CEO PlanetRider, *"A New Low-RPM, High Power Density Motor"*
- 10:15 Coffee Break
- 10:35 **Christopher Cook**, CEO Lithium Start, *"Li-ion Battery Packs for Light Aircraft"*
- 11:00 **Calin Gologan**, CEO PC-Aero, (Germany) and **George Bye**, Bye Aerospace, *"Practical Solar-Electric Propulsion Advances - Manned and Unmanned systems"*
- 11:35 **Dr. John Langford**, CEO, Aurora Flight Sciences, *"The Manned Unmanned Aircraft: Where the UAV Revolution Is Headed"*
- 12:00 Luncheon in the Ballroom, (included with registration)
- 13:00 **Klaus Ohlmann**, Green Speed Cup Champion and World Record Holder, Range in an Electric Aircraft, *"About Missions and Visions"*
- 13:25 **Dr. Case van Dam**, Chair, Aeronautical Engineering UC Davis, *"High Tech Solutions for Ride Quality Enhancement in Small Aircraft"*
- 13:50 **Dr. Krish Ahuja**, Regents Professor, Georgia Tech, *"Precision Autonomous Synchro-phasing of Electric Propellers"*
- 14:30 **Bruno Mombrinie**, CAFE Foundation, *"San Francisco's First Sky Taxi Service— with Robotic Battery Swapping"*
- 15:00 Coffee Break
- 15:15 **Dr. Brien Seeley**, President CAFE, *"Payload, Proximity and Pascals"*
- 15:50 **Dr. Sebastian Thrun**, Founder of Google X, Self-Driving Cars, *"Autonomous Car Technologies and Their Application to Aircraft"*
- 16:15 **Jean-Luc Soullier**, Founder, AeroSkyLux, *"First Solo Electric Trans-Atlantic Flight"*
- 16:40 **Dean Sigler**, CAFE Blog Editor, *"The Here & Now of Electric Aircraft—Off the Shelf Ingredients"*
- 17:05 **Dr. Jaiwon Shin**, NASA Associate Administrator for Aeronautics, *"The NASA Aeronautics Vision and Strategy – How It Relates to Electric Aircraft"*
- 17:35 Adjourn to no-host wine and cocktails in the Ballroom at 17:40 PM
- 19:00 **Theme Dinners**: Where all registered attendees can interact, visit with esteemed faculty and hear more expert topical presentations.

## Preliminary Program – Day Two, Saturday, April 26

- 07:15 Full Breakfast (included with registration) Badge and Program pickup
- 08:00 *Announcements*, **Dr. Larry Ford**, Vice President, CAFE Foundation
- 08:05 **Mark Beierle** and **JoeBen Bevirt**, *"The Joby Powered eGull Ultralight and S2 VTOL"*
- 08:40 **Dr. Tine Tomazic** and **Dr. Gregor Veble**, Pipistrel Slovenia *"Certifiable Hybrid Powertrains"*
- 09:10 **Aaron Singer**, Seaplane Adventures, *"Electric Amphibious Aircraft—Getting Close to Downtown"*
- 09:40 **Brian Carpenter**, CEO Rainbow Aviation, *"Electric Ultralight Twin Motor Glider—Affordable Flying for All"*
- 10:15 Coffee Break
- 10:30 **Roman Susnik**, EMRAX motors, *"High Power Density Motors"*
- 11:00 **Dr. Avetik Harutyunyan**, Honda Research Institute, *"Lithium Storage Capacity in Carbon Nanostructures: Toward High Energy Capacity Materials"*
- 11:25 **Tian Yu**, Yuneec Aircraft of China, *"The Frontiers of Personal Electric Aircraft"*
- 11:55 **Anton Dilcher**, President, Idaflieg, Germany, *"Sailplane research in Germany with the Idaflieg"*
- 12:30 Adjourn
- 13:30 Self-guided trip option: Depart to visit the [Bodega Marine Laboratory](#)'s Open House

### Sonoma County Sight-Seeing

[EAS 2014 is in beautiful Sonoma County!](#) Check out these great add-on activities to your weekend in Santa Rosa:

World-class food and wine in Sonoma County: [A global destination for fine cuisine and wine.](#)

Saturday 1:30 PM Depart to visit the [Bodega Marine Laboratory](#)'s Open House during the very popular [Bodega Bay Fisherman's Festival](#)

Register online for EAS 2014 [Register Now!](#)

Members of the media, enrolled students or other special cases, please email a 'request for special registration' to: [eas2014reg@cafefoundation.org](mailto:eas2014reg@cafefoundation.org)

### Friday Night Theme Dinners — Presentations will begin ~ 7:45 PM

- Theme 1 - Motors/Controllers/Propulsion/Quietude: **Mike Ricci**, Launchpoint Technologies, *"Advanced motors for electric flight"* Wayne Cook MC
- Theme 2 - Aeronautical Design plus UAVs, Markets & Licensing: **Robert Bulaga**, *Shrouded Prop Noise & Efficiency* Larry Ford MC
- Theme 3 – Energy—Batteries, Ultra-capacitors, Fuel Cells: **Charles Welch**, *"Solar UAV + Ultra-caps"* Alan Soule MC