



4370 Raymonde Way, Santa Rosa, CA. 95404. 707-526-3925 cafefoundation.org

CAFE Electric Aircraft Symposium VI

April 27-28, 2012, Flamingo Resort, Santa Rosa, California

EAS VI PROGRAM, FRIDAY, APRIL 27

- 07:15 Full Breakfast, Badge and Program pickup
- 08:00 *Opening Remarks*, **Brien Seeley, President, CAFE Foundation**
- 08:05 *Lessons Learned From the Green Flight Challenge*, **Jack Langelaan, Penn. St. Univ.**
- 08:40 *The 403.5 pMPG Pipistrel Taurus G4*, **Tine Tomazic, Pipistrel**
- 09:15 *De-turbulators Proven to Cut Drag!!*, **Sumon Sinha, SinhaTech**
- 09:35 *Electric Propulsion Advanced Concepts and Their Technologies*, **Mark Moore NASA**
- 10:05 Coffee Break to 10:20
- 10:20 *The GFC Quickie's Amazing Performance*, **Gene Sheehan, Team Feuling GFC**
- 10:50 *Alternair AMP: A Practical Electric Light Sport Aircraft*, **Stephan Boutenko, CEO**
- 11:15 *Licensing of Electric Aircraft: FAA's Plans*, **Les Lyne, FAA Small Airplane Dir.**
- 11:40 *Snap-in Cartridge Battery Pack for LSAs*, **Eva Hakansson and Bill Dube, Killacycle**
- 12:05 Lunch
- 13:05 *Real World Life with the Tesla Roadster*, **Alan Soule, CAFE Foundation**
- 13:25 *World's Speed Record Electric Aircraft*, **Paul Schlein, ret. Lockheed Chief Scientist, F-22 Raptor**
- 13:55 *Ultra-Quiet Propellers for Electric Aircraft*, **Brien Seeley, CAFE Foundation**
- 14:25 Coffee Break
- 14:40 *Direct-Drive, Low-RPM Motors for eFlight*, **David Calley, Planet Rider**
- 15:05 *Command Your Aircraft by Voice*, **James P. Hauser, PhD, AeroSpectra, Inc.**
- 15:30 *Efficient Pancake Wheel Motors*, **Mike Ricci, VP Engineering, LaunchPoint Technologies**
- 16:00 *Motor Controllers with Instant Throttle Response*, **Patrick McLaughlin, Mountain High**
- 16:25 *UAVs and the Global Observer*, **Wyatt Sadler, Aerovironment**
- 16:59 Adjourn to no-host cocktails at 17:30 PM
- 19:00 Theme Dinners:
- 1) Motors/Controllers/Props/Quietude
 - 2) Aeronautics and Aviation: ESTOL, L/D, Cdo, eCFI and Directed-Autonomous
 - 3) Energy: Sources/Storage/Safety/Standards/Infrastructure



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EAS VI PROGRAM, SATURDAY, APRIL 28

- 07:15 Full Breakfast, Badge and Program pickup
- 08:00 Morning Session - Energy Storage Frontiers: 3 KEYNOTE PRESENTATIONS
- 08:05 *Engineered Graphene Electrodes for Lithium Batteries*, **Cary Hayner, NW Univ.**
- 08:45 *Extreme Energy-Density Battery Chemistries*, **Bruce Katz, PolyPlus**
- 09:15 *Advancing the Lithium-Air Battery for EVs*, **Dr. Winfried Wilcke, IBM Research Lab**
- 09:55 *High Lift: Non-Powered and Powered*, **Case van Dam, UC Davis**
- 10:10 Coffee Break
- 10:20 *The CAFE Green Flight Challenge Program*, **Brien Seeley, CAFE Foundation**
- 11:00 *Charging from Sunlight: New Solar Panels For Curved Surfaces*, **Carlo Treves: HighFlex Solar**
- 11:20 *EMR, Pumped Hydro, or Geothermal? Finding Free Energy in the Real World*, **Dean Sigler, Professor and Editor, CAFE Foundation Technology Blog**
- 11:55 *Magic Molecules: NASA's Materials Breakthroughs*, **Ajay Misra, NASA GRC**
- 12:20 *Benchmark Software for Aircraft Performance Prediction*, **Norman Howell, SETP, Boeing/ ERAU**
- 12:50 Adjourn to Lunch at leisure
- Exclusive badged visit to the CAFE Flight Test Center, 5800 Windsor Road (STS)
- 14:30 CAFE Electric Flight Demonstration at STS: Includes GFC Team Feuling's eQuickie

[The Flamingo Resort](#) has reserved a discounted block of rooms for those who register early

[Kenny Rogers in concert](#): Saturday 4/28/2012 at 8:00 PM Wells Fargo Center

April 28 - 29 – Passport to Dry Creek Valley® Wine Education, Celebration: Passport to Dry Creek Valley® is an annual event showcasing the valley's wineries, vineyards and exceptional beauty. Creative entertainment, amazing food and unique wines offered. Fee: 2 Day Passport \$120, Sunday Only \$70 Time: 11 a.m. - 4:30 p.m. Phone Number: +1 (707) 433-3031