

## CAFE Electric Aircraft Symposium V

April 29-30, 2011, Flamingo Hotel, Santa Rosa, California

### EAS V FINAL PROGRAM, FRIDAY, APRIL 29

- 07:15 Full Breakfast, Badge and Program pickup
- 08:00 **Brien Seeley**, President, CAFE Foundation: *Opening Remarks*
- 08:05 **Dr. Ben Santer**, Climate Scientist, LLNL: *Update on Climate Change*
- 08:40 **Dean Sigler**, CAFE Blogmeister: *Greater Expectations: The Revolution in Electric Aircraft*
- 09:10 **JoeBen Bevirt**, CEO, Joby Aviation: *Electric Aircraft That Transform Your Commute*
- 09:30 **David Calley**, CTO, Motor Excellence: *Ideal Electric Aircraft Motors*
- 10:00 Coffee Break to 10:20
- 10:20 **Pietro Perlo**, EPoSS wg auto chairman: *Cross-cutting Technologies for Road and Air Electrical mobility: Smart Systems Integration*
- 10:50 **Brien Seeley**, CAFE: *Suburban Air Vehicles: Aviation's Future*
- 11:30 **Murry Rozansky**, ESA: *Soaring into the Electric Future or "Engines! We Don't Need no Stinken' Engines!"*
- 11:55 **Patrick McLaughlin**: *Motor Controllers for Electric Aircraft*
- 12:15 Lunch until 13:15
- 13:15 **Yueming Li and Ning Pan**, UC Davis: *Current State of Supercapacitor Research*
- 13:45 **Ilan Kroo**, Professor, Stanford University: *Design Concepts for Small Electric Aircraft*
- 14:15 **Larry Ford**, Vice President, CAFE Foundation, *DEBUT: The Amazing Aircraft of the 2011 CAFE Green Flight Challenge*
- 14:40 Coffee Break until 15:00
- 15:00 **Eric Darcy**, NASA-JSC: *Li-ion Pouch Cell Designs: Performance and Issues for Crewed Vehicle Applications*
- 15:35 **David Birkenstock**, PressureThrust.com: *Goldschmied Propulsion Exploration*
- 15:50 **Forum: Goldschmied Propulsion**, Panel: **David Birkenstock**, **Dennis Bushnell** (NASA), **John Roncz** (Gemini Technologies), **Sumon Sinha** (Mississippi State--Deturbulators)
- 16:35 **Karl Young**, CEO, X-Cap: *10X Supercapacitor Energy Storage Using Carbon Nanotubes*
- 16:55 **Richard Glassock**, Smart Skies Project, Australia: *Hybrid Electric Aircraft and Automated Airspace*
- 17:15 **John McGinnis, Johh Paul Noyes**, (Synergy): *Stability and Control Through Induced Drag Reduction*
- 17:40 Adjourn
- 18:00 No-host cocktails
- 19:00 Theme Dinners:
- 1) Motors/Controllers/Props/Quietude
  - 2) Aeronautics and Aviation: ESTOL, L/D, Cdo and Ideal Piloting
  - 3) Energy: Sources/Storage/Safety/Standards/Infrastructure

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## EAS V FINAL PROGRAM, SATURDAY, APRIL 30

- 07:15 Full Breakfast, Badge and Program pickup
- 08:00 **Brien Seeley**, President, CAFE Foundation: *Opening Remarks*
- 08:05 **Dennis Bushnell**, NASA Chief Scientist: *Emerging Technologies for Electric Aircraft, Frontiers of the Responsibly Imaginable*
- 08:55 **Robert Englar**, Professor, Georgia Tech Univ.: *Pneumatic ESTOL Technologies for SAVs*
- 09:15 **Forum: V/ESTOL Technologies**, Panel: **Robert Englar** (Georgia Tech), **Craig Hange** (NASA), **Tina Jameson** (Cal Poly)
- 09:45 **Jack Langelaan**, Penn State Univ.: *Autonomous Energy Capture During Flight*
- 10:05 Coffee Break until 10:20
- 10:20 **Ken Goodrich**, NASA: *The Ideal Flight Deck: Rethinking Piloting*
- 10:40 **Forum: Rethinking Piloting; The Quest For 7 Sigma Safety**, Panel: **Ken Goodrich** (NASA), **Richard Glassock**, **Steve Williams** (CAFE), **Jack Langelaan**, Penn State Univ., **Damon Seeley**
- 11:15 **Bruce Katz**, PolyPlus: *New High Energy Density Lithium Chemistries*
- 11:35 **Krish Ahuja**, Professor, Georgia Tech Univ.: *Quiet Propulsion Technologies*
- 11:55: **Forum: Quiet Propulsion Forum**, Panel: **Krish Ahuja** (Georgia Tech), **David Calley**, **Bill Macy**, (Stratasys 3D FDM), **Brien Seeley** (CAFE Foundation)
- 12:30 **Huw Hampson-Jones**, Oxis Energy (UK), *Next Generation Battery Technology*
- 1:00 Lunch at one's leisure

**Afternoon No Host Options:** Tour Sonoma County wineries; [Passport to Dry Creek Valley](#); [Charles Schulz Museum](#); [Bodega Bay Fish Festival](#); [Pacific Coast Air Museum](#), [No Host Saturday Poolside Lunch and Elegant Dinners at Flamingo Restaurant \(a very good place for quiet conversation\)](#)

Registrants are encouraged to stay at the [Flamingo Resort and Spa in Santa Rosa](#)

Please call (707) 545-8530 and mention keyword "CAFE" when registering. In addition to its fine dining, the Flamingo is within short walking distance of several good restaurants. It stands next to a large grocery, an excellent deli and a drug store. It has a comprehensive health and racquet club with swimming pools, tennis courts, dance studio, weight room and spa.