

CAFE Electric Aircraft Symposium III

Friday, April 24, 2009, Hiller Aviation Museum, San Carlos, California

Sponsored by Foundation Capital

MORNING PROGRAM

- 7:30 AM Registration
- 8:00 AM **Welcome and Announcements:**
Dr. Brien A. Seeley, President, CAFE Foundation.
- 8:10 AM **Message from Sponsor:**
Adam Grosser, Partner, Foundation Capital
- 8:20 AM **Current Update on Climate Science:**
Dr. Ben Santer, Research Climatologist, Lawrence Livermore Laboratory and IPCC
- 9:00 AM **Recharging Your Electric Aircraft with Renewable Energy:**
Dr. Case Van Dam, Chair, Department of Mechanical and Aeronautical Engineering, University of California at Davis
- 9:30 AM **Green Wings II: State of the Art:**
Dr. Morton Grosser, M.I.T.
- 10:15 AM Coffee Break
- 10:30 AM **Energy Storage with Nanomaterials:**
Dr. Yi Cui, Assistant Professor, Department of Materials Science and Engineering, Stanford University
- 11:00 AM **Electric Airplane Power-system Performance Requirements:**
Michael Dudley, Aeronautics Research Mission Directorate, NASA Headquarters
- 11:30 AM **Autonomous Vehicles on the Ground and in the Air:**
Sebastian Thrun, Chair, Department of Artificial Intelligence, Stanford University
- 12 Noon Lunch in the Museum



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AFTERNOON PROGRAM

- 1:10 PM **New Aircraft Concepts and Technologies for Sustainable Aviation:**
Dr. Ilan Kroo, Professor of Aeronautics, Stanford University
- 1:40 PM **Electric Motors and Controllers for Use in Sailplanes, Ultralights, and Light Sport Aircraft:**
Dean Sigler M.Ed.
- 2:20 PM **Summary of Research on Soaring Birds Using Radio Controlled Models - Rudderless Flight:**
Robert G. Hoey MS, Kelly Johnson Award Winner
- 2:50 PM Coffee Break
- 3:10 PM **The AGP: Aviation's Green Prize - The Flight Competition for 100 MPG Aircraft:**
Brien A. Seeley M.D. President CAFE Foundation
- 3:35 PM **My Dream Team in the AGP:**
Ron Gremban, Technical Director, CalCars
- 4:00 PM **A High-Performance Electric Aircraft with Motor and Prop Demonstration:**
Greg Cole, Chief Designer, Windward Performance
- 4:30 PM **Practical Reliability in Motor Drive Electronics:**
Otmar Ebenhoech H.S.D, Cafe Electric LLC
- 4:55 PM **Hydrogenius: Principles for an Electric Aircraft:**
Steffen Geinitz Dipl.-Ing, University of Stuttgart, Germany
- 5:15 PM Dinner in the Museum

