



**EYE ON THE ENVIRONMENT: SUMMIT ON DRONES FOR RESEARCH AND CONSERVATION**

September 17, 2015  
San Francisco, CA

**Thursday, September 17<sup>th</sup>: Conference at the California Academy of Sciences**

Moderator: **Gregory Crutsinger**, 3D Robotics

8:00 Coffee and Snacks

8:45 Conference opening by **Meg Lowman**, California Academy of Sciences

9:00 Keynote Address

**Chris Anderson**, Founder and CEO of 3D Robotics

9:15 New Technologies in Action I (15 min talks)

1. **Lian Pin Koh**, Co-founder of Conservation Drones  
*A new tool for conservation*
2. **Eric Cheng**, DJI Innovations  
*Vision for future use of UAV technology*
3. **Sally Thompson**, UC Berkeley  
*Robots, remote sensing, and running around in rural India to solve the mystery of the disappearing Arkavathy River*
4. **Abigail Grajales Cabrera**, Congreso General de Toerras Colectivas  
Embera/Wounaan (10 min)  
*Use of drones for mapping and protecting indigenous territory*
5. **David Johnston**, Duke University  
Unmanned Aircraft Systems in Marine Science and Conservation: Seals, Sea Turtles and Marine Debris

10:30 Coffee break and snacks

10:45 New Technologies in Action II (15 min talks)

- 1.) **Joseph Rios**, Research Aerospace Engineer, Systems Modeling and Optimization Branch, NASA Ames Research  
*Unmanned Aerial System Traffic Management*
- 2.) **Eric Dinerstein**, Director, Biodiversity and Wildlife Solutions (BWS), RESOLVE and **Nir Tenenbaum**, WildTech Programs, Biodiversity and Wildlife Solutions (BWS)  
*Drones for Conservation of Large Endangered Mammals: Recent Field Trials and Future Needs*
- 3.) **Antoine Martin** from Pix4D

*Software Solutions for Conservation*

- 4.) **Jeremy Eastwood**, DroneDeploy
- 11:45 Lunch
- 1:00 New Technologies in Action III (15 min talks)
- 1.) **Gabriel Torres**, Micasense
  - 2.) **Robert Dahlgren**, NASA / California State University  
*Modular UAVs for bespoke airborne platforms for science applications.*
  - 3.) **Michaela Chung**, UC Berkeley  
*Measuring lake temperatures without getting wet (most of the time).*
  - 4.) **David Lang**, Open ROV
  - 5.) **Jeff Chambers**, Geography UC Berkeley  
*Toward a drone-based carbon monitoring system for the world's forests*
- 2:15 Drones in Defense of Land (Lightning talks)
- 1.) **Peter Riggs** (5 minutes)  
Smart Uses for Missiles Imbeciles
  - 2.) **Gregor MacLennan**, Digital Democracy  
Drones for low-cost verification of property boundaries (10 minutes)
  - 3.) **Fermín Chimatani**, ECA- Amarakaeri Communal Reserve  
Drones influence on community decision making (10 min)
  - 4.) **Tom Bewick**, Rainforest Foundation U.S.  
Drones for pinpointing illegality (10 Min)
  - 5.) **Jaime Paneque-Galvez**, National Autonomous University of Mexico  
*Applying drones to support community forestry (10 min)*
- 3:30 Coffee Break and snacks
- 3:45 Panel Discussion: Topic TBD; Panel: **Lian Pin Koh, Eric Dinerstein, Sally Thompson, Giorgi Tushev, Konstantin Kekaev, Chris Anderson**
- 4:45 Closing Remarks by Meg Lowman and Greg Crutsinger
- 5:00 Reception, Terrace Café at the California Academy of Sciences
- 6:00 NightLife: Evening party with vendor tables for product demo and sales