

**Congress of the United States**  
Washington, DC 20515

**ROBOTS FOR GOOD:**  
The Humanitarian, Environmental, Educational, Medical, and Search & Rescue Uses of  
Robotics Technology

**Congressional Robotics Caucus Advisory Committee**  
Afternoon Briefing & Exhibition  
*In conjunction with Congressional Robotics Caucus*

**Tuesday, June 17<sup>th</sup> 2014**  
**1:00 PM – 4:00 PM**  
**Cannon Caucus Room, 345 Cannon House Office Building**

Whether they swim, fly, walk, or crawl, today's robots are doing more than you can imagine. These machines are already changing the way we save lives. Researchers who develop robotics technology are leveraging existing and emerging technologies to create amazing tools to provide societal benefits that were once science fiction.

Come hear experts talk about some of the many contributions robotic technologies are making to increase our quality of life, help us recover from disasters, encourage students in exciting new fields of study, and contribute to the safety and security of all life on earth.

## **SCHEDULE**

**1:00pm** Welcome by Congressman Gingrey & Congressman Doyle

**1:10–1:15pm** Introductions – Keith Grzelak, past IEEE-USA Vice President, Government Affairs

**1:10 – 2:30 pm** Guest Speakers

- **Jason Walker, CyPhy Works** – *Unlocking the Economic and Altruistic Potential of Flying Robots*
- **Crawford Allan, Director, WWF/ TRAFFIC North America, Washington, DC** – *Integrating Robotics Technology into Wildlife Protection Strategies*
- **Rand D LeBouvier, Bluefin Robotics, Quincy, MA** – *Undersea Robots: Working in the World's Toughest Environment*
- **M. Beatrice Dias, Carnegie Mellon Robotics Institute** – *Community Empowerment through Robotics*

### **Meet & Greet Robotics Exhibitors**

- **Fumin Zhang, Associate Professor, School of Electrical & Computer Engineering & Students from Georgia Institute of Technology** - *Maritime mobile sensor network*

*The goal of the Robotics Caucus is to inform the Congress and the public about the importance of robotics to our nation's economic growth, defense, safety, global competitiveness, and quality of life.*

- **Chris Miser & Eric Becker, Falcon Unmanned, Aurora, CO** – Partnering with WWF to use UAV technology in Namibia to monitor and fight wildlife poaching
- **BirdBrain Technologies LLC** – FINCH, an educational robot developed and spun out of Carnegie Mellon University's CREATE Lab to teach programming to students as young as eight years old
- **Carnegie Mellon's CREATE Lab** – Speck, which is an indoor fine particle monitor that uses an infrared sensor to read indoor air quality.
- **GRASP, Penn Engineering** – RHex, the Parkour robot, a bio-inspired lab on legs capable of traversing rough terrain for first response, environmental monitoring, search and rescue, and reconnaissance; and TRHex (Teaching RHex), our newly developed educational robot hexapod
- **FIRST Robot Team, Chantilly, VA** – 9 to 14 year olds
- **CyPhy Works, Danvers, MA** – Innovative & Revolutionary Robots, displaying PARC, a long endurance UAV

For more information about the briefing, to RSVP, or to learn more about robotics companies in your Congressional District, please contact Bernadette Concepcion at [b.concepcion@ieee.org](mailto:b.concepcion@ieee.org).

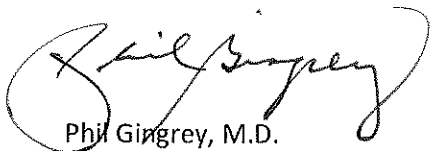
To join the Robotics Caucus, contact Caryn Hamner ([Caryn.Hamner@mail.house.gov](mailto:Caryn.Hamner@mail.house.gov)) in Congressman Phil Gingrey's office, or Philip Murphy ([Philip.Murphy@mail.house.gov](mailto:Philip.Murphy@mail.house.gov)) in Congressman Mike Doyle's office.

*Snacks and finger foods will be provided.*

*This is a widely attended event and it is open to all Members and staff.*

The event is sponsored by IEEE-USA.

Sincerely,



Phil Gingrey, M.D.

MEMBER OF CONGRESS

Robotics Caucus Co-Chair



Mike Doyle

MEMBER OF CONGRESS

Robotics Caucus Co-Chair

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