



# AVIATION UNLEASHED – Reaching beyond tomorrow

The seeds of the future exist in the developments of today. Join us for a thought-provoking conference that will explore the frontiers of the imaginable in aviation; what emerging technology revolutions could enable for society and aviation. We will imagine the landscape (societal and technological) of the future and its implications for aviation. Developments in telepresence will have shaped travel needs. Machine intelligence, robotics, new materials and energetics have led to a plethora of new vehicles offering efficient on-demand mobility for people and goods and serving new markets and missions. The airspace system has undergone a radical transformation to enable these vehicles to safely share the sky.

Through this conference we will explore alternate futures and the implications for the synergy and direction of current developments. We will assemble a community of futurists, visionaries, entrepreneurs, technologists, and users from aviation and related fields to strengthen the collaborations needed to unleash the full potential of aviation.

The participants will consider evolving technology revolutions and their potential impacts upon society and aeronautical systems going forward. Experts in the applicable technologies will provide background technical content for breakout group imagineering of the 2035 plus time period when these technologies will produce a revolution in mobility and access to the skies for civil, defense, and security missions. The potential markets for such systems/vehicles provide a compelling incentive to apply to civilian applications and markets the ongoing vast military investments in robotic vehicles.

## Conference Overview

\*invited

### Day 1

#### Vision - Leaning Forward Societal and Technology Trends

- Peter Norvig, Google
- John Petersen, Arlington Institute
- Marvin Cetron, Cetron Corp.
- Tony Strazisar, NASA ARMD
- Dennis Bushnell, NASA
- Brien Seeley, CAFE Foundation
- Bill Halal, GWU
- JoeBen Bevirt, Joby Energy
- Alan Epstein, MIT
- \*Daniel Newman, DARPA
- Yuri Gawdiak, JPDO
- Bruce Holmes, NextGen AeroSciences
- Henri Seydoux, Parrot

### Day 2

#### Opportunities Technology Revolutions in IT, Machine Intelligence, Energetics, Propulsion, Materials....

- \*Paul Graven, Microcosm, Inc.
- Joe Zawodny, NASA
- Case vanDam, UC Davis
- Neil Gershenfeld, MIT
- Dr. James Albus, GMU
- Charlie Harris, NASA

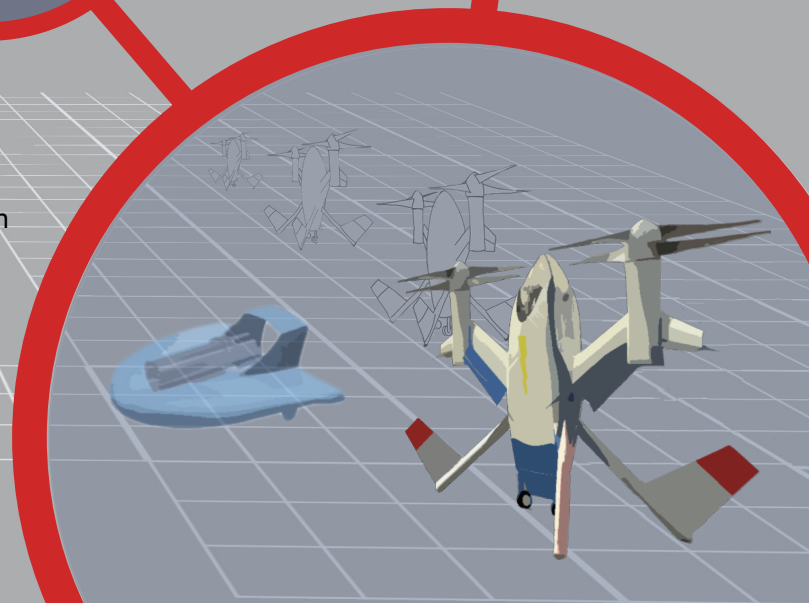
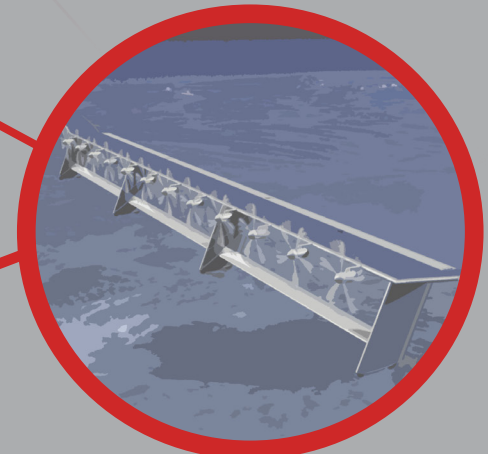
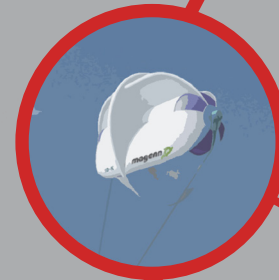
### Day 3

#### Forward Strategies

Synthesis: Implications for the Future  
Breakout sessions in small groups and plenary session to define plausible futures and their implications for current developments.

#### Planned Demonstrations, Posters, and Booth Space

National Institute Of Aerospace



## Come explore the synergy and direction of these developments

**When: October 18-20, 2010**

**Where: Hampton Convention Center, Hampton, VA**

**For registration please go to [www.nianet.org](http://www.nianet.org)**