



## Meeting Minutes

Location: Seattle Museum of Flight, Seattle, WA

Date: May 20-21, 2010

Thursday, May 20, 2010

- I. 7:45 AM, Boeing Research and Technology SWARM Lab Demonstration
- II. 10:00 AM, Introductions
  - A. Joe Gibbs, Introduction, Welcome, Overview of NWARC
  - B. Bill Mounts
  - C. Congressional NWARC Welcomes
    1. Video Introduction by Senator Patty Murray, WA
    2. Staff Introduction of Congressman Norm Dicks, 6<sup>th</sup> District, WA
    3. Letter Introduction of Congressman Rick Larsen, 2<sup>nd</sup> District, WA
- III. 10:30 AM, Cliff Hudson, Director, DoD Robotics Mentor-Protégé Program – Building a Regional Robotics Technology Cluster
  - A. Overview of cluster efforts around the nation
  - B. Teaming opportunities
  - C. Partnership session
- IV. 10:52 AM, Raleigh Durham, Director of Strategic Assessments, Defense Research & Engineering
  - A. “Need autonomous forces that will respond to human direction and act as a force, rather than individuals.”
  - B. Cluster provides incubator for technology to create this technology.
  - C. Need architecture to enable this
  - D. Need industry, academia, & govt. to work together to create standards
  - E. Vision “Cooperative Autonomy”
- V. 11:20 AM, Roger Lee, Economic Development for Central Oregon – Building an Industry Cluster
  - A. Technology Cluster examples
    1. Puget Sound Technology Cluster
    2. General Aviation Manufacturing Cluster in Central Oregon
  - B. Creating UAV test range for UAVs at Juniper MOA
- VI. 11:36 AM, Diana Drake, Seattle District Small Business Administration – Overview of SBA and SBA supported sponsors
- VII. 11:54 AM, Erik Folkestad – Next meeting at Evergreen Aviation Museum, McMinnville, OR
- VIII. 12:00 PM, Luncheon
- IX. 12:30 PM, Tad McGeer, Insitu Founder (Currently with AeroVelo) – Challenges to Unmanned Systems Trade and Cooperation



## AUVSI Cascade Chapter

- A. See "Challenges to Unmanned Systems Trade and Cooperation – Tad McGeer, Aerovel" on <http://cascade.auvsi.org/AUVSI/Cascade/Meetings/Default.aspx>
- X. 1:45 PM, Jim Sheehan, Canadian Trade Commissioner Services – US Canada Trade
- XI. 1:55 PM, Breakout Sessions
  - A. Breakout Session 1 – UAV Power and Propulsion
  - B. Breakout Session 2 – Robotics Education and Training
- XII. 3:15 PM, Breakout Sessions
  - A. Breakout Session 3 – Structures
  - B. Breakout Session 4 – Payload Integration
- XIII. 5:00 PM, Social Networking Session – Sponsored by PNDC

Friday, May 21, 2010

- I. 10:05 AM, Joe Gibbs, Welcome
- II. 10:05 AM, Matice Wright, Deputy Director, Industrial Policy Office of the Secretary of Defense
  - A. Goals for Office of Industrial Policy
    - 1. Trying to interact with industry
    - 2. Interact with other federal agencies, develop synergies
    - 3. Interact with branches of the Army
  - B. Need concise, direct message about what policies would help you do your job better
  - C. Plan to have road show to meet 2<sup>nd</sup> and 3<sup>rd</sup> tier suppliers in June
  - D. Find way to connect companies with investors, sustain military industrial base
  - E. Questions
- III. 10:39 AM, Tom Nugent, LaserMotive – Power Beaming to UAVs
  - A. Kent, Washington based company that won the NASA Centennial Challenge for power beaming
  - B. Concept/Solution Statement: What if you had a UAV that never had to land?
  - C. Whitepaper available on website
  - D. Power beam to stationary UAS or to recharge over-the-horizon UASs that return for energy
  - E. Questions
- IV. 11:00 AM, Dr. Dan Palo, Deputy Co-Directory, Microproducts Breakthrough Institute, Pacific Northwest National Laboratory – Overview of PNNL
- V. 11:30 AM, Dr. Robyn Angliss, Deputy Director, National Marine Mammal Laboratory, co-lead for UAS research projects in Alaska
  - A. Overview of NOAA UAV programs
  - B. Questions



## AUVSI Cascade Chapter

- VI. 12:15 PM, David Johncox, National Aviation Manager USGS Aviation Program – Use of UAS Systems, Current and Future Technology Needs
- VII. 12:45 PM, Erik Folkestad – Correction to meeting information: will be held October 22, 2010 in McMinnville, OR
- VIII. 12:45 PM, Lunch – Industry Overview
- IX. 1:40 PM, Pacific Northwest Economic Region (PNWER)
- X. 1:35 PM, Breakout Sessions
  - A. Breakout Session 5 – Testing Ranges
  - B. Breakout Session 6 – Civilian Applications
- XI. 3:45 PM, Wrap-up and closing remarks
  - A. Bill Mounts – Introduction of Cliff Hudson
  - B. Cliff Hudson – Closing Remarks
  - E. Lisa Brookshier – Will follow up with survey and email