Day One (Wednesday)

Morning Session – “NASA’s Support for Airships in Alaska”

8:00 AM - Sign In / Sponsored Continental Breakfast

8:45 AM – Welcome Remarks:
Invited Speaker: Tom Case, Chancellor, University of Alaska, Anchorage

9:00 AM - Introductory Remarks:
Invited Speaker: Pete Worden, Center Director, NASA Ames Research Center (ARC)

9:15 AM - Keynote Address:
Invited Speaker: The Honorable Mead Treadwell, Lt. Governor, State of Alaska

9:30 AM – Report on 2011 Cargo Airship Workshop
- High level report on what was discussed at the Cargo Airship Workshop.
- Presentation of important insights and issues that came up during the workshop.
- A summary of how the 2011 workshop subjects will be carried forward in the 2012 workshop.
Speaker: Ron Hochstetler, Science Applications International Corporation (SAIC)

10:00 AM – Sponsored Coffee Break

10:30 PM – Risk Factors and Critical Design Elements for Large Airships
- The presentation will highlight some of the critical design elements and risk factors that large airship designers must deal with.
- Examples of particularly important design insights will be given.
Invited Speaker: Dr. John Melton, NASA Ames Research Center (ARC)

11:00 PM – A Tool for Airship Weather Modeling
- Presentation of a weather modeling and simulation tool of cargo airship flights in Alaska.
Speaker: Dr. Ananthakrishna Sarma, Science Applications International Corporation (SAIC)

- Presentation on NASA Ames airship modeling and simulation experience and system capabilities.
Aftonoon Session – “Cargo Airship Deployments for Northern Operations”

1:15 AM – Airship Ventures Deployment to Anchorage in 2013
● Presentation on various aspects (logistics, sponsorship, and weather) of a proposed visit of the Airship Ventures airship to Alaska in 2013.
Invited Speaker: Francis Govers, Special Missions Manager, Airship Ventures Inc.

1:45 AM – The First Helium Airship Designed and Built in Canada
● Presentation on building and flying the first Canadian airship, with an emphasis on regulations and similar issues governing airship operations in Canada.
Speaker: Dr. Barry Prentice, Director, ISO Polar

2:15 PM – “Pelican” Development and Aeroscraft Deployment Plan
● Presentation of “Pelican” program and status of plans for deployment of Aeroscraft for cargo operations in Alaska/Canada.
Invited Speaker: Igor Pasternak, CEO, Aeros Corporation

2:45 PM – Hybrid Air Vehicles “Skycat”
● Presentation on the HAV SkyCat and status of plans for deployment of the hybrid airship for cargo operations in Alaska/Canada.
Invited Speaker: Gordon Taylor, Marketing Director, Hybrid Air Vehicles, Ltd.

3:15 PM – Sponsored Coffee Break

3:45 PM – Lockheed/Martin “SkyTug”
● Presentation on the Lockheed Martin SkyTug and status of plans for deployment of the hybrid airship for cargo operations in Alaska/Canada.
Invited Speaker: Dr. Bob Boyd, Lockheed Martin Corp.

4:15 PM – Ohio Airships Dynalert
● Presentation on first flight of the Dynalert winged hybrid airship and status of plans for its deployment for cargo operations in Alaska/Canada.
Speaker: Robert Rist, Co-President, Ohio Airships, Inc.

4:45 PM – Augur ATLANT hybrid airship
● Presentation on the Augur ATLANT and status of plans for deployment of the hybrid airship for cargo operations in Russia.
Invited Speaker: Michael Talesnikov, VP Marketing & Sales, Augur Aeronautical Centre Inc.

5:15 PM – Sponsored Reception
Day Two (Thursday)

Morning Session – “Facilitating Airship Operations in Alaska”

8:15 AM – Sponsored Continental Breakfast

9:00 AM – Integrating Maintenance and Support into Airship Designs
- Presents a business approach to airship design which addresses elements affecting costs associated with all phases of an airship’s design, operation, maintenance and support.
- Also presents an approach that moves away from the traditional method of costing maintenance and support activities after a design is formalized to designing to satisfy maintenance and support cost targets from the initial concept stage.
Speaker: Robert Knott

9:30 AM – Commercial Heavy Lift Air Transport in Alaska
- Presentation of insights into commercial air freight operational issues and approaches in Alaska.
Invited Speaker: Jeanine St John, Vice President, Lynden Transport

10:00 AM – Discussion of Cargo Airships and their Environmental Aspects
- Presentation on the environmental opportunities and issues that cargo airships present.
Invited Speaker: A representative from the environmental community in Alaska

10:30 AM – Sponsored Coffee Break

11:00 AM – The Utilization of Airships to Construct Watana Dam (Susitna Hydro Project)
- Presentation on the opportunities and issues cargo airships offer for infrastructure projects.
Speaker: James R. Hemsath, Deputy Dir. Project Development and Asset Management, Alaska International Development and Export Authority, AIDEA

11:30 AM – Second presentation by a Local Alaskan Firm on Airship Applications for Mining
- Presentation on the opportunities and issues cargo airships offer for mining firms.
Speaker: John Shively, CO, Pebble Limited Partnership

12:00 - Sponsored Lunch
Invited Speaker: An Alaska State Senator

Afternoon Session – “Funding Airship Development and Deployment”

1:15 PM – Airship Financing: What are the Issues? Where is the Finance?
- Describes the nature of project financing, the issues facing investors and lenders to airship projects, and the criteria used by financiers to evaluate their support.
Invited Speaker: A representative from the financial community in Alaska

1:45 PM – Financing Cargo Airship Development and Operations
- Presentation on what is needed for a cargo airship business plan to obtain commercial investment.
Invited Speaker: A representative from the financial community in Alaska

2:15 PM – Proposal for Public/Private Initiatives to Facilitate Cargo Airship Deployments
Invited Speaker: A representative from the University of Alaska
2:45 PM – Sponsored Coffee Break

3:15 PM – Airship “Speed Networking” Sessions
- Breakout sessions where interested parties can sign up to meet with airship developers in private to discuss airship business development opportunities.
- Airship business developers can meet with investors (including State and Federal representatives) to discuss proposals for funding cargo airship programs.
- Meetings can be scheduled in advance and will run for six 15 min. periods.

4:45 PM – Workshop Summary and Closing Remarks
Invited Speaker: Pete Worden, Center Director, NASA Ames Research Center (ARC)

5:00 PM – Day 2 Ends

Day Three (Friday)

10:00 AM – Tour of an Anchorage Alaskan Air Freight Company
- A University of Alaska bus will leave from the University for Lynden Inc. a local commercial air cargo operations base.
- Attendees will tour the facilities and get an introduction to the logistics of air freight operations that can transport up to 20 metric tons of cargo by commercial C-130 to remote Alaskan areas.
- Visitors will see how materials and supplies are packaged and prepared for air shipment and delivered.

Note: visitor approvals will need to be processed in advance of the visit so visitors can get access to the airport areas where Lynden has their operations.

12:00 – Un-sponsored lunch at the University of Alaska, Anchorage food service area.