

Agenda



Day One (Wednesday, August 22, 2012)

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

8:00 AM - Sign In / Continental Breakfast ConocoPhillips Integrated Science Building

8:45 AM – Welcome Remarks:

Speaker: Tom Case, Chancellor, University of Alaska, Anchorage

9:00 AM - Introductory Remarks:

Speaker: Pete Worden, Center Director, NASA Ames Research Center (ARC)

9:15 AM - Keynote Address:

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 2011 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, LTA Airship Engineer, Science Applications International Corporation (SAIC)

10:00 AM – 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.

Speaker: Dr. John Melton, NASA Systems Analysis Branch, Ames Research Center (ARC)

10:30 AM – Coffee Break

10:45 AM – A Tool for Airship Weather Modeling

- Presentation of a weather modeling and simulation tool of cargo airship flights in Alaska.

Speaker: Dr. Ananthakrishna Sarma, Senior Scientist, Science Applications International Corporation (SAIC)

11:15 AM – NASA Ames Modeling and Simulation Tools for Airship Designs and Operations

- Presentation on NASA Ames airship modeling and simulation experience and system capabilities.

Speaker: Diane Carpenter, Senior Simulation Engineer, Aerospace Simulation Research and Development Branch (SimLabs) NASA Ames Research Center

11:45 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.

Speaker: Francis Govers III, Special Missions Manager, Airship Ventures Inc.

12:15 PM – Lunch ConocoPhillips Integrated Science Building

Speaker: The Honorable Lesil McGuire, Alaska State Senator

Afternoon Session - "Cargo Airship Deployments for Northern Operations"

1:15 PM – 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

1:45 PM – Aeros Corporation “Aeroscraft” Deployment Plan

- Presentation of Aeroscraft program and status of plans for deployment of the hybrid airship for cargo operations in Alaska/Canada.

Speaker: Igor Pasternak, Founder and Chief Executive Officer, Aeros Corporation

2:15 PM – Hybrid Air Vehicles “AIRLANDER”

- Presentation on the AIRLANDER and status of plans for deployment of the hybrid airship for cargo operations in Alaska/Canada.

Speaker: Hardy Giesler, Business Development Director, Hybrid Air Vehicles, Ltd.

2:45 PM – Hybrid Airships: A Transportation Revolution

- Presentation on the Lockheed Martin SkyTug and status of plans for deployment of the hybrid airship for cargo operations in Alaska/Canada.

Speaker: Atherton Carty, SkyTug Deputy Program Manager, Lockheed Martin Corporation

3:15 PM – Coffee Break

3:30 PM – Varialift Airships "ARH 50"

- Presentation on the Varialift ARH 50 metal airship and status of plans for deployment of the airship for cargo operations.

Speaker: Alan Handley, President, Varialift Airships PLC

4:00 PM – Ohio Airships "Dynalifter"

- Presentation on first flight of the Dynalifter winged hybrid airship and status of plans for its deployment for cargo operations in Alaska/Canada.

Speaker: Robert Rist, Co-President, Ohio Airships, Inc.

4:30 PM – Augur "ATLANT"

- Presentation on the Augur ATLANT and status of plans for deployment of the hybrid airship for cargo operations in Russia and other Arctic regions.

Speaker: Michael Talesnikov, VP Marketing & Sales, Augur Aeronautical Centre Inc.

5:00 PM – Welcome ConocoPhillips Integrated Science Building

Sponsored by: LTA Incorporated

Day Two (Thursday, August 23, 2012)

Morning Session – "Facilitating Airship Operations in Alaska"

8:15 AM – Continental Breakfast ConocoPhillips Integrated Science Building

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: Rob Knotts, Airship Association Council Member

9:30 AM – Commercial Heavy Lift Air Transport in Alaska

- Presentation of insights into commercial air freight operational issues and approaches in Alaska.

Speaker: Bob Barndt, Schedule Services Sales Manager, Lynden Air Cargo, LLC

10:00 AM – A Business Case for a Commercial Cargo Airship Industry

- Presenting the results of a NASA commissioned study on the cargo airship market potential.

- Provide insights into cargo airship applications, high demand segments, and opportunities.
- Speaker: Anders Thulin, Project Manager, Avascent & Royce Dalby, Partner, Avascent

10:30 AM – Coffee Break

10:45 AM – Potential for Heavy Lift Airships in Support of Mining Operations

- Presentation on the opportunities and issues cargo airships offer for mining firms.
- Speaker: Ben Mohr, Public Affairs/Environmental Coordinator, Pebble Limited Partnership

11:15 AM – Financing Cargo Airship Development and Operations

- 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.
- Speaker: Robert Sheldon, Principal, Arbor Capital Management

11:45 AM - Lunch ConocoPhillips Integrated Science Building

Invited Speaker: Tom Barrett, President, Alyeska Pipeline Service Company

Afternoon Session – "Funding Airship Development and Deployment"

12:45 PM – Financing for Deployment of Airships in Alaska

- Presentation on options and approaches for funding cargo airship development, deployment, and support infrastructures in Alaska.

Speaker: James R. Hemsath, Deputy Dir. Project Development and Asset Management, Alaska Industrial Development and Export Authority, AIDEA

1:15 PM – Panel Discussion on Actions to Follow Up the Cargo Airship Workshop

- Panelists will discuss how best to move forward with the initiatives presented at the workshop.
- Discussions will focus on the most effective actions organizations can take to facilitate near-term deployment of cargo airships in Alaska and Canada.

Speakers:

– Craig E. Campbell, Lieutenant General, AKNG (Ret), Lieutenant Governor, Alaska (Ret), President and CEO, Alaska Aerospace Corporation

– Marcia Davis, General Counsel, Calista Corporation

– Jeff Ottesen, Director, Division of Program Development, Alaska Department of Transportation and Public Facilities

2:00 PM – Initiatives to Facilitate Cargo Airship Deployments in the Arctic

Speaker: Billy G. Connor, Director Alaska University Transportation Center, University of Alaska Fairbanks

2:30 PM - Coffee Break

2:45 PM – Airship "Speed Networking" Sessions UAA Administration Building

- 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 eight 15 min. periods.

4:45 PM – Workshop Summary and Closing Remarks ConocoPhillips Integrated Science Building

Speaker: Pete Worden, Center Director, NASA Ames Research Center (ARC)

5:00 PM - Day 2 Ends

Day Three (Friday, August 24, 2012)

9:30 AM – Tour of an Anchorage Alaskan Air Freight Company

- A University of Alaska bus will leave from the ConocoPhillips Integrated Science Building 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 to 2:00PM - Lunch at the University of Alaska, Lee Gorsuch Commons