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AABInternational
Aviation Accreditation Board International
115 South 8th Street, Suite 102
Opelika, AL 36801
(334) 748-9359 • Fax (334) 748-9360
www.aabi.aero

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RAISING THE STANDARDS OF AVIATION™



Annual Meeting

INDUSTRY/EDUCATOR FORUM

Hosted by

University of North Dakota

July 18, 2019

Grand Forks, ND, USA

Panel 1: Paul Snyder, Assistant Chair/Director UAS Program, UND, Moderator
Preparing Students for UAS Industry Employment & Careers

UND Clifford Hall 210

Charge: UAS OEMs & operator panelists are invited to brief and lead discussions on UAS 1.) equipment & technologies; 2.) applications, operating requirements & practices; 3.) shared airspace operations challenges; 4.) UAS graduate competency requirements and employment opportunities; 5.) current and anticipated evolution of the regulatory environment; and 6.) other related UAS topics of choice. During the moderated discussion, panelists will be joined by an FAA representative.

Doug Olsen, Grand Sky Lab Manager, Northrop Grumman; Ev Dunnick, Manager, UAS Flight Test & Training Center, General Atomics; Ali Faddis, Vice President of Flight Operations, Insitu, Inc; Kyle Hoffman & Max Kahlhamer, Air Interdiction Agents, U.S. Customs & Border Protection; and Al Frazier, UND Associate Professor and Deputy Sheriff, Grand Forks County Sheriff's Department

Panel 2: Peter Morton, Peter M. Morton Consulting, Inc., Moderator

Virtual Simulation

UND Clifford Hall 210

Charge: Panelists discuss theory and practice of using virtual simulation to engage youth and develop piloting skills in an integrated model with actual flight experience. Report results of applying game theory to virtual curricula in trial exposures to pre-solo and private pilot training. Discuss experiments & describe partnerships with military & civilian target populations. Provide data on student motivation and performance. Suggest ways for industry and educator leaders to get involved, possible applications of this technology to collegiate Flight Education, and other ideas for AABI involvement.

Flack Maguire, Executive Director & Founder, Virtual Flight Academy; and Brandon Seltz, Founder & CEO, Take Flight Interactive

Panel 3: Peter Morton, Peter M. Morton Consulting, Inc., Moderator

UAS Futures: Inspiring Educators & Students About the Profession

UND Clifford Hall 210

Charge: Panelists are invited to present future visions of unmanned aircraft applications emerging over the next ten years; professional competencies needed; suggestions of curricula and labs for education leaders.

Graham Warwick, Managing Editor, Technology, Aviation Week; and Erin Roesler, Manager, Standards & Policy, Northern Plains UAS Test Site

Educator Responder Panels:

Mary Niemczyk, Arizona State University, Moderator

Panel 1:

Paul Snyder, the University of North Dakota

Panel 2:

Eric Savage, the University of Dubuque; and Eric Shappee, Kansas State Polytechnic

Panel 3:

Damon Lercel, Purdue University

INDUSTRY/EDUCATOR Forum

Agenda

**Event Moderator: Carl Davis, Director,
Air Crew Operations, Boeing Global Services**

18 July — Thursday

- 0730-0830 Continental Breakfast *Sponsored by Piedmont Airlines*
- 0800-0815 Welcome & Industry/Educator Forum Introduction/Carl Davis
- 0815-0945 **Panel 1: Preparing Students for UAS Industry Employment & Careers**
Moderator: Paul Snyder
- 0945-1015 Refreshment Break *Sponsored by Boeing*
- 1015-1200 **Panel 1 Continued**
- 1200-1210 **Walk to Hilton Garden Inn**
- 1210-1320 Forum Luncheon *Sponsored by Piedmont Airlines*
Chairperson's Welcome: *Gary Morrison*
Keynote Speaker: *Nick Flom, Executive Director, Northern Plains UAS Test Site*
- 1320-1330 **Walk to UND Clifford Hall 210**
- 1330-1445 **Panel 2: Virtual Simulation/Moderator: Peter Morton**
- 1445-1515 Refreshment Break *Sponsored by National Business Aviation Association*
- 1515-1730 **Panel 3: UAS Futures: Inspiring Educators & Students About the Profession**
Moderator: Peter Morton
- 1830 — **Awards Banquet** — Reception with Sponsors **(Cash Bar)**
Keynote Speaker: *The Honorable J. Randolph Babbitt, Former FAA Administrator*
*Reception sponsored by Piedmont Airlines,
Dinner co-sponsored by Diamond Aircraft Industries, Inc. and Seneca College
Wine Service sponsored by Talon Systems, LLC
And Champagne Toast sponsored by Aviation Supplies & Academics*

