

# Helicopter



# MAINTENANCE

*The Source for Helicopter Maintenance Professionals*

# 2015 HELI-EXPO

Pre-show Guide for  
**Helicopter Maintenance Professionals!**

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Welcome to Helicopter Maintenance magazine's HAI HELI-EXPO 2015 pre-show guide. There is a lot going on at the biggest helicopter event of the year. Our staff narrowed down some maintenance-related events and training seminars for your reference. If you are walking around the show floor, be sure to stop by booth #704 and say to the team. The material used to produce this pre-show guide is from HAI's website, and was reprinted by permission of the publisher.

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– The Helicopter Maintenance magazine team

# welcome

## HELI-EXPO2015 – Schedule

This preliminary schedule is subject to change. Reconfirm dates, times, and locations on site; complete information will be printed in the HAI HELI-EXPO 2015 Program & Exhibit Guide.

Back by Popular Demand! Take the 2015 HAI Rotor Safety Challenge! It's FREE for HAI HELI-EXPO 2015 attendees and exhibitors. All Challenge events are marked RSC.

Note: Events marked with a \* require a separate registration or ticket.

### Friday, Feb. 27 – Saturday, Feb. 28, 2015

**8:00 AM – 5:00 PM** Professional Education Courses\*

### Sunday, March 1, 2015

**8:00 AM – 5:00 PM** Professional Education Courses\*

**10:00 AM – 12:00 PM** Helicopter Tour Operators Committee Meeting

**11:30 AM – 6:00 PM** HFI Scholarship Fundraising Golf Tournament\* (Falcon's Fire Golf Club)

### Monday, March 2, 2015

**8:00 AM – 10:00 AM** HAI Safety Symposium: NTSB – Managing Risk in Public Helicopter Operations (RSC)

**8:00 AM – 5:00 PM** Professional Education Courses\*

**9:00 AM – 4:00 PM** Technical Committee Meeting

**10:30 AM – 12:00 PM** Safety Directors Forum: Your Helicopter Crashed – Now What? (RSC)

**1:00 PM – 3:00 PM** Tour Operators Program of Safety (TOPS)

**7:00 PM – 8:30 PM** HAI Welcome Reception

### Tuesday, March 3, 2015

**8:00 AM – 10:00 AM** HAI Annual Membership Meeting & Breakfast

**8:30 AM – 4:30 PM** HAI Rotor Safety Challenge Sessions (RSC)

**9:00 AM – 12:00 PM** Offshore Forum

**9:30 AM – 12:30 PM** CFI Mentoring Program

**9:30 AM – 12:30 PM** ICAO Annex 14 Update Workshop

**9:30 AM – 12:30 PM** Voting for the HAI Board of Directors (for Regular Members Only)

**10:00 AM – 11:00 AM** Introduction to HAI Accreditation Program of Safety and Overview of IS-BAO

**10:00 AM – 12:00 PM** Safety Committee Town Hall (RSC)

**10:00 AM – 5:00 PM** Manufacturer Technical Briefings

**10:15 AM – 10:30 AM** HAI HELI-EXPO Opening Ceremony

**10:30 AM – 5:00 PM** Exhibit Hall Open

**10:30 AM – 5:00 PM** HAI Helicopter Industry Career Fair

**12:30 PM – 1:30 PM** HFI Pilot Mentoring Panel

**1:00 PM – 2:30 PM** Finance and Leasing Committee Roundtable

**1:00 PM – 3:00 PM** Air Medical Committee Meeting

**1:30 PM – 2:30 PM** HFI Industry Outreach to Students Panel

**2:00 PM – 5:00 PM** Utilities, Patrol, and Construction Committee Meeting

**2:30 PM – 3:30 PM** HFI Maintenance Tech Mentoring Panel

**5:00 PM – 7:30 PM** Twirly Birds Annual Meeting

### Wednesday, March 4, 2015

**8:00 AM – 10:00 AM** Flight Operations Committee Meeting

**8:00 AM – 10:00 AM** Government Service Committee Meeting

**8:00 AM – 12:00 PM** IHST Regional Partner Panel

**8:30 AM – 10:00 AM** Finance and Leasing Committee Meeting

**8:30 AM – 10:00 AM** Safety Committee Meeting

**8:30 AM – 5:00 PM** HAI Rotor Safety Challenge Sessions (RSC)

**9:00 AM – 10:30 AM** General Aviation Association CEOs Speak on Critical Issues

**9:00 AM – 5:00 PM** Manufacturer Technical Briefings

**10:00 AM – 12:00 PM** Aerial Firefighting and Natural Resources Committee Meeting

**10:00 AM – 12:00 PM** Business Management Workshop

**10:00 AM – 5:00 PM** Exhibit Hall Open

**10:30 AM – 12:30 PM** Fly Neighborly / Environmental Committee Meeting

**10:30 AM – 12:30 PM** Electronic News Gathering Committee Meeting

# Everyone Nose

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# Who Has Been Selected as *Helicopter Maintenance Magazine's* 2014 *Helicopter Mechanic of the Year?*

Stop by *Helicopter Maintenance* magazine's booth 704 at HAI Heli-Expo 2015 on March 4 at 2:00 p.m. to find out during our live announcement and presentation.

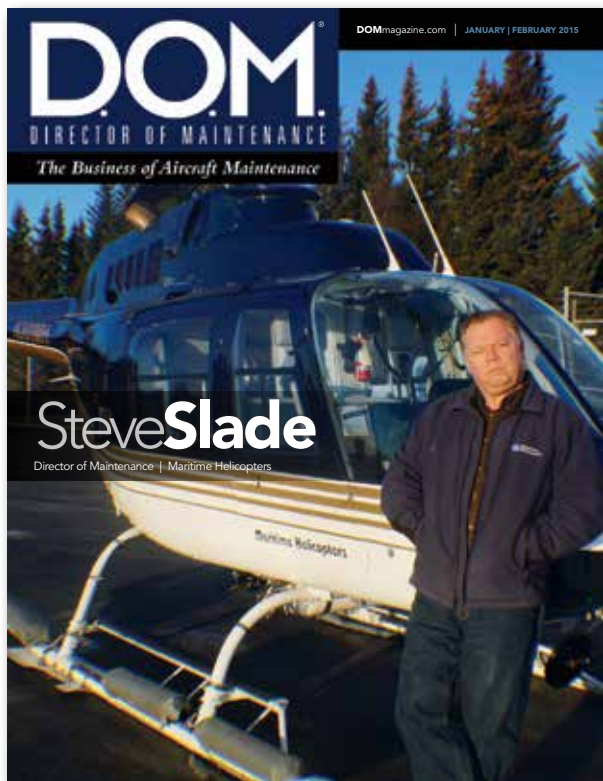


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10:30 AM – 12:30 PM	Training Committee Meeting
1:00 PM – 3:00 PM	Annual DOI/USFS Interagency Fire Briefing
1:00 PM – 3:00 PM	Business Management Committee Meeting
1:00 PM – 4:00 PM	Heliport Committee Meeting
2:00 PM – 3:00 PM	Unmanned Aircraft Systems: Challenge or Opportunity?
8:00 PM – 10:30 PM	HAI Salute to Excellence Awards Dinner*

### Thursday, March 5, 2015

8:00 AM – 11:00 AM	Affiliate Symposium
8:00 AM – 12:00 PM	Chief Pilot Roundtable
8:00 AM – 12:00 PM	Fatigue Risk Management
8:00 AM – 4:00 PM	Fundamentals of IS-BAO Workshop*
9:00 AM – 10:30 AM	Be Heard! FAA Town Hall
10:00 AM – 4:00 PM	Exhibit Hall Open
1:00 PM – 2:30 PM	Huey Owners and Type Certificate Holders Forum

### Friday, March 6 – Saturday, March 7, 2015

8:00 AM – 4:00 PM	IS-BAO Auditor Accreditation Workshop* (Friday only)
8:00 AM – 5:00 PM	Professional Education Courses*

## HELI-EXPO 2015 Professional Education Courses Maintenance Skills

### HELICOPTER MAINTENANCE MANAGEMENT

Feb. 27 – Mar. 2, 2015  
MAINTENANCE SKILLS

8:00 AM TO 5:00 PM

Member Registration \$1,155

Nonmember Registration \$1,650

**Instructors:** Brandon Battles and Gary Potochnik, Conklin & de Decker Associates, Inc.

**Professional Development Credit:** IA Renewal and FAA Aviation Maintenance Technician (AMT) program credits

This four-day course has two primary purposes for the manager in a maintenance organization. First, it gives managers critical, yet often overlooked skills to control a complex issue that confronts every organization: limited resources to accomplish its objectives. Second, the course reinforces the required technical proficiency that managers must maintain by offering an in-depth regulatory review.

**At the conclusion of the course, attendees will —**

- Learn management principles and techniques
- Gain a better understanding of different types of costs and how to control them
- Learn aspects of financial management and accounting, as well as the importance of budgets — and how to develop them



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## REGULATIONS 101: LAW FOR THE AVIATION PROFESSIONAL

**Mar. 1, 2015** **8:00 AM TO 5:00 PM**  
**MAINTENANCE SKILLS**

Member Registration \$575

Nonmember Registration \$850

**Instructor:** Marshall Filler and Sarah MacLeod of Obadal, Filler, MacLeod & Klein, PLC

**Professional Development Credit:** IA Renewal and FAA Aviation Maintenance Technician (AMT) program credits

This one-day course will cover the basic FAA requirements associated with making day-to-day decisions on purchasing, designing, manufacturing, operating, maintaining, or selling civil aviation products and parts. It will address the federal aviation regulations and FAA guidance material relating to 14 CFR parts 1, 13, 23, 25, 27, 29, 33, 34, 35, 36, 39, 43, 45, 61, 65, 67, 91, 119, 121, 125, 129, 133, 135, 137, 145, and 183.

**Attendees will learn about —**

- The rulemaking process and FAA organization
- Government reports and audits
- Part 39, 91, and 119 aircraft operations
- Maintenance by Part 43, 65, and 145 certificate holders
- FAA enforcement issues

## HUMS AND HFDM: HELICOPTER HEALTH, USAGE, AND FLIGHT DATA MONITORING

**Mar. 1–2, 2015** **8:00 AM – 5:00 PM**  
**MAINTENANCE SKILLS**

Member Registration \$575

Nonmember Registration \$850

**Instructors:** Rick Barnett, Amanda Roberts, and Doug Shaw of Bristow U.S., LLC

**Professional Development Credit:** IA renewal and FAA AMT program credits

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This course will provide attendees with an overview of HUMS (health and usage monitoring systems) and HFDM (helicopter flight-data monitoring), including an introduction to analysis of helicopter flight and health/vibration data.

**At the conclusion of the course, attendees will —**

- Be able to make informed decisions regarding establishing HUMS and HFDM programs
- Know the benefits of HUMS and HFDM and guidelines for administering these programs
- Be familiar with HUMS and HFDM terms and acronyms
- Understand the basics of HUMS & HFDM data analysis

## DEALING WITH THE GOVERNMENT

**Mar. 2, 2015** **8:00 AM TO 12:00 PM**  
**MAINTENANCE SKILLS**

Member Registration \$385

Nonmember Registration \$575

**Instructor:** Sarah MacLeod of Obadal, Filler, MacLeod & Klein, PLC

**Professional Development Credit:** IA Renewal and FAA Aviation Maintenance Technician (AMT) program credits

As a certificated entity, dealing with the government, particularly the FAA, is inevitable. Building a good relationship with government officials in good times will help keep the bad times at bay. The course will also review best practices for handling FAA audits and investigations.

**At the conclusion of the course, attendees will leave with —**

- Tools and tips to ensure a professional relationship with government oversight officials
- Best practices for handling FAA audits and investigations
- Updated awareness of relevant FAA regulations

## PUBLIC AIRCRAFT

**Mar. 2, 2015** **1:00 PM TO 5:00 PM**  
**MAINTENANCE SKILLS**

Member Registration \$385

Nonmember Registration \$575

**Instructor:** Marshall Filler of Obadal, Filler, MacLeod & Klein, PLC

**Professional Development Credit:** IA Renewal and FAA Aviation Maintenance Technician (AMT) program credits

This course covers the basic requirements for an aircraft to be operated as a public aircraft on behalf of federal, state, and local governments, including the difference between government-owned and government-leased aircraft, what constitutes an eligible governmental function, and the practical implications of using the same aircraft to conduct both civil and public operations. It also discusses the recent FAA policy regarding operations conducted under contract for a government entity.

**At the conclusion of the course, attendees will understand —**

- FAA guidance governing public aircraft
- Eligibility requirements for operating public aircraft

# Management Skills

## EFFECTIVE LEADERSHIP IN BUSINESS AVIATION

**Mar. 1, 2015** **8:00 AM TO 5:00 PM**  
**MANAGEMENT SKILLS**

Member Registration \$575

Nonmember Registration \$850

**Instructor:** C. Daniel Prather, Aviation Training Solutions

**Professional Development Credit:** National Business Aviation Association (NBAA) PDP credit.

Become a more effective leader or prepare for a new leadership role. This course is designed to assist executives, managers, and supervisors of helicopter operations with the important task of exercising leadership. Attendees will learn important leadership concepts and approaches for being a role model, empowering personnel, building effective teams, promoting the exchange of information, and making sound decisions that result in goal achievement and the promotion of corporate objectives

**In this course, participants will enhance their knowledge in regard to —**

- Effective leadership qualities, styles and strategies
- Differences among moral, ethical and legal behavior
- Effective communication in interpersonal and group discussion
- Changes that take place when transitioning into a management role
- Motivation, mentoring, and understanding behavioral styles



**HELICOPTER OPERATOR MANAGEMENT****Feb. 27 – Mar. 2, 2015  
MANAGEMENT SKILLS****8:00 AM TO 5:00 PM**

Member Registration \$2,100

Nonmember Registration \$3,150

**Instructor:** Bill de Decker, Conklin & de Decker Associates, Inc.**Professional Development Credit:** FAA WINGS and Aviation Maintenance Technician (AMT) program credits

This intensive course focuses on business, operations and management subjects that commonly fall outside the experience of technically oriented helicopter management personnel but are critical to the successful management of these companies. This course is built around the development of a business case for a typical helicopter operator.

**Attendees will learn —**

- The basic principles and concepts involved in managing a helicopter operation
- The value of a safety management system
- The costs and finances involved in running and managing a helicopter operation
- How to market services
- How to develop a business plan for a helicopter operation

**ADVANCED  
HELICOPTER OPERATOR  
MANAGEMENT****Mar. 5, 2015 1:00 PM TO 5:00 PM****Mar. 6–7, 2015 8:00 AM TO 5:00 PM  
MANAGEMENT SKILLS**

Member Registration \$1,225

Nonmember Registration \$1,850

**Instructor:** Bill de Decker, Conklin & de Decker Associates, Inc.**Professional Development Credit:** FAA WINGS and Aviation Maintenance Technician (AMT) program credits

This intensive course builds on the concepts introduced in the Helicopter Operator Management course and provides new and current managers of civil helicopter operations with the advanced management knowledge and skills they need for continued success in today's highly demanding and complex operating environment.

**Attendees will learn advanced management tools and techniques for —**

- Managing assets and costs
- Measuring, analyzing, and improving productivity
- Developing pricing strategies
- Analyzing financial statements and data
- Developing a marketing plan

**RECORD KEEPING AND REGULATORY COMPLIANCE****Mar. 2, 2015  
MANAGEMENT SKILLS****8:00 AM TO 5:00 PM**

Member Registration \$465

Nonmember Registration \$685

**Instructor:** James Di Rienzo, Embry-Riddle Aeronautical University**Professional Development Credit:** IA Renewal; FAA WINGS and Aviation Maintenance Technician (AMT) program credits; 0.7 continuing education units (CEUs)**browntool****Quality Tools From  
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This course is designed for rotorcraft flight department personnel who will use accepted industry practices to establish or maintain a record-keeping system that will document and maintain regulatory compliance and initiate appropriate action within the department.

**Upon completion of this course, attendees will have gained knowledge regarding —**

- Techniques and systems for record-keeping and data analysis
- Industry practices and standards
- Audit requirements
- Aviation department regulations requirements, for example, FAR; DOT; DHS; OSHA; IRS; EEOC; FCC; EPA; ICAO – Chicago Convention Annex 2, 6, and 9; and federal, state, and local laws
- Monitoring change to guarantee continued compliance
- Industry-driven standards and practices that are not controlled by regulation

## RESIDUAL VALUES IN HELICOPTER LEASING

**Mar. 1, 2015**  
**MANAGEMENT SKILLS**

**1:00 PM TO 5:00 PM**

Member Registration \$385

Nonmember Registration \$575

**Instructor:** Sharon Desfor, ASA, MRICS, and Jason Kmiecik, ASA, of HeliValue\$, Inc.

Are you leasing a helicopter? Considering a sale or leaseback? Your lessor requires a residual value projection to determine your lease rate. How do you know whether the quoted residual value is appropriate for your helicopter?

Sharon Desfor and Jason Kmiecik from The Official Helicopter Blue Book® will teach you residual value calculations from the ground up: who needs them and why, what they are, and how to cross-check them. Come learn what's going on inside your lease.

**At the end of the course, participants will be better able to —**

- Define a residual value and assess when, why, and how it is used
- Calculate equipment residual values
- Recognize common errors in residual values and learn how NOT to calculate them
- Assess other considerations involved in aircraft valuation, such as different depreciation rates, lease return provisions, and use of personal judgment

## FINANCE AND LEASING SEMINAR: ESSENTIALS OF A HELICOPTER ACQUISITION

**Mar. 2, 2015**  
**MANAGEMENT SKILLS**

**8:00 AM TO 5:00 PM**

Member Registration FREE

Nonmember Registration \$750

**Instructor:** Members of the HAI Finance and Leasing Committee

Join this panel of experts as they share the ins and outs of various finance and leasing scenarios and answer YOUR questions about helicopter acquisitions. The day will include lively, interactive discussions about the essentials of these transactions:

**When and how to lease, loan, or fund a helicopter — and why**

- Purchase agreements
- Loan and lease documentation
- Appraisals and inspections: what they are looking for
- Preparing your financial package
- Taxes, title, and escrow: what you need to know

## Safety

### FUNDAMENTALS OF HELICOPTER ACCIDENT INVESTIGATION

**Mar. 2, 2015**  
**SAFETY**

**8:00 AM TO 5:00 PM**

Member Registration \$575

Nonmember Registration \$850

**Instructor:** Jack Cress, Vortechs Helicopter Analytics

**Professional Development Credit:** FAA WINGS and Aviation Maintenance Technician (AMT) program credits

The course will briefly introduce National Transportation Safety Board and International Civil Aviation Organization reporting requirements and discuss the history and primary categories of U.S. and international helicopter accident causal factors.

The focus will be on aerodynamically oriented causes, including hover performance, downwind effects, forward flight transition, rotor system characteristics, high-speed phenomena, descent issues (vortex ring state and autorotation), and ground issues (rollover and resonance). Turboshaft engine factors will also be addressed, as class progress permits. Case studies will be frequently included. Notebook and CD provided.

**At the completion of the course, attendees will understand —**

- Common causal factors involved in helicopter accidents or incidents
- Performance considerations for helicopter rotor systems
- Procedures and techniques for investigating an accident or incident



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## HUMAN FACTORS IN AVIATION

Mar. 1–2, 2015  
SAFETY

8:00 AM TO 5:00 PM

Member Registration \$715

Nonmember Registration \$1,070

**Instructor:** Richard Komarniski, Grey Owl Aviation Consultants, Inc.

**Professional Development Credit:** The workshop complies with Transport Canada, FAA, and EASA 145 and IA renewal requirements. This course is NBAA PDP-approved for Human Factors PM9.

The objective of this course for aviation flight crews, technicians, and managers is to reduce errors and their associated costs, to create a corporate culture conducive to human-error prevention, and to develop realistic and immediate safety nets. The course uses case studies to illustrate topics covered, which will help participants identify and mitigate human error to enhance an organization's safety.

### Attendees will learn —

- The "Dirty Dozen": human factors that affect an individual's decision-making process
- How safety nets, or countermeasures, are used to prevent incidents and accidents caused by human error
- Regulations that focus on professionalism and error reduction

## OPERATIONAL RISK MANAGEMENT

Mar. 2, 2015  
SAFETY

8:00 AM TO 5:00 PM

Member Registration \$575

Nonmember Registration \$850

**Instructor:** Dan Deutermann and Chris Andres, The Squadron

This course addresses the life cycle of risk, from initial risk assessment through the analysis of post-flight risk assessment data. The instructors will go step-by-step to identify and quantify hazards and risk factors and how to mitigate those risks through the use of a flight risk assessment tool. Attendees are then taught to use the data to identify trends of risky behaviors and to develop effective risk management strategies.]

### At the end of the course, attendees will —

- Be able to pass on operational risk management strategies to their organization
- Understand and demonstrate the characteristics of an effective risk manager
- Develop a risk assessment tool for their particular mission set
- Be able to provide relevant feedback following an incident or mishap investigation

## SAFETY MANAGEMENT SYSTEMS

Feb. 28 – Mar. 2, 2015  
8:00 AM TO 5:00 PM SAFETY

Member Registration \$825

Nonmember Registration \$1,140

**Instructor:** Craig Geis, California Training Institute

**Professional Development Credit:** FAA WINGS and Aviation Maintenance Technician (AMT) program credits

This course assists those responsible for managing or supervising organizational safety programs to preserve human and material resources through the prevention of damage and injury by utilizing a safety management system (SMS).

The most effective SMS is the one you build, implement, and manage, and by the end of this class, we provide students with all of the tools necessary to build their SMS. We will cover in detail the four standardized pillars of SMS and its 12 basic components. This course meets FAA, HAI, ALEA, ICAO, and EASA requirements.

### At the completion of the course, attendees will —

- Understand the requirements for an SMS program as they pertain to their governing agency and the benefits provided by implementing an SMS
- Understand the components of an effective SMS
- Learn how to identify potential or actual human error problems and determine strategies for reducing human error
- Be able to perform an SMS gap analysis
- Be equipped to develop an implementation strategy for their organization
- Understand their role as change agents in managing their organization's safety culture

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## SAFETY CULTURE AND IS-BAO STAGE 3 SMS

**Mar. 2, 2015**  
**8:00 AM TO 5:00 PM**  
**SAFETY**

Member Registration \$415  
 Nonmember Registration \$625

**Instructor:** Jason Starke, International Business Aviation Council

This course describes how operators can advance their safety cultures and improve safety performance by ensuring widespread employee involvement and visible leadership by top management. This is a course for operations with mature safety management systems (SMS) programs.

Upon completion of this course, attendees will be able to —

- Provide guidance to an aviation team seeking to achieve IS-BAO Stage 3 SMS
- Describe what a safety culture survey should include
- Explain how an operator's positive safety culture raises the performance of its safety risk management

## UAS AND UAV: APPLICATIONS AND AWARENESS FOR THE ROTORCRAFT INDUSTRY

**Mar. 1, 2015** **8:00 AM TO 5:00 PM**  
**SAFETY**

Member Registration \$475  
 Nonmember Registration \$700

**Instructor:** Dr. Brent Terwilliger and Prof. Scott Burgess, Embry-Riddle Aeronautical University

This course is designed to familiarize attendees on new applications and emerging technologies of unmanned aerial systems (UASs) and unmanned aerial vehicles (UAVs) and their possible impact on the rotorcraft industry, both from an economic standpoint as well as operating and safety considerations.

Attendees will, by the end of the class, be more familiar with —

- Categories and platforms
- Applications
- Operations and regulations
- Safety in the operating environment
- Collaborative teaming between manned and unmanned systems

# Career Development

## HELI-SUCCESS CAREER DEVELOPMENT SEMINAR

**Mar. 1, 2015** **8:00 AM TO 5:00 PM**  
**CAREER DEVELOPMENT**


Member Registration \$75  
 Nonmember Registration \$105

**Instructor:** Lyn Burks, Owner, Rotorcraft Pro Magazine

This seminar offers an opportunity for learning and networking to helicopter professionals who may be in a transition phase of their careers. This course is also for young pilots looking for information that may give them a competitive edge in the helicopter industry hiring process.

At the conclusion of the course, attendees will understand —

- The basics of the helicopter industry and career paths within that industry
- What it takes to be a helicopter professional
- How to stand out during the hiring process
- Important techniques for building a professional network



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## Manufacturer Technical Briefings

These one-hour briefings provide a forum for airframe and engine manufacturers to present current maintenance and technical product information to aircraft owners and maintenance professionals. Presented by the HAI Technical Committee, these briefings meet FAA requirements for renewal of inspection authorization certificates.

### Tue., Mar. 3, 2015

Room Number S220F		Room Number S220G
Airbus Helicopters EC145	10:00 am	Sikorsky S-76
Airbus Helicopters EC120	11:00 am	Sikorsky S-61
Airbus Helicopters EC135	12:00 pm	Sikorsky S-92
AS350/AS355/EC130	1:00 pm	MD 900/902
Turbomeca Arriel	2:00 pm	MD 520N/600N
Turbomeca Arrius/Makila	3:00 pm	MD 500E/500F
Sikorsky S-300C/S-333	4:00 pm	Rolls-Royce M250

### Wed., Mar. 4, 2015

Room Number S220F		Room Number S220G
AgustaWestland AW139	9:00 am	Honeywell T53
AgustaWestland AW109/119	10:00 am	Honeywell LTS 101
P&W PT6C-67	11:00 am	Enstrom TH28/480, F28/280
P&W PW200/PW210	12:00 pm	Lycoming Piston Engines
P&W PT6T/PT6B-37A	1:00 pm	Scott's Bell 47
Bell 204/205/212/412	2:00 pm	Rolls-Royce RR300
Bell 206B/206L/407	3:00 pm	Robinson R66
Bell 222/230/430/427/429	4:00 pm	Robinson R22/R44

## MILITARY TO CIVILIAN TRANSITION WORKSHOP

Mar. 2, 2015  
CAREER DEVELOPMENT

1:00 PM TO 5:00 PM

Member Registration FREE

Nonmember Registration FREE

There are several things you need to know NOW in your military career in order to prepare for a successful career after retirement or ETS. Benefit from advice, aviation career mentorship, and guidance on important attributes you can cultivate now that will make your aviation career a success in the future.

**This seminar will focus on assisting aviation soldiers transitioning from the military and will include —**

- Information about valuable FAA certifications and the Federal Aviation Regulations
- Essential networking, résumé writing, and interview tips for the future
- Common stumbling points for aviation soldiers entering the commercial helicopter industry

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## HAI Rotor Safety Challenge

### Free Safety Education for Registered Attendees and Exhibitors – Seating is Limited

Take the Challenge! Attend Six Rotor Safety Challenge Events and Receive a Certificate of Recognition!

1. Select safety events to attend
2. Collect a token from the room monitor at the conclusion of each event
3. Take your 6 tokens to the HAI Safety Committee booth (#1115) to receive your certificate

## Schedule – March 2-4 • Orange County Convention Center Level III South

Monday, March 2, 2015				
8:00 AM – 10:00 AM	<b>HAI Safety Symposium:</b> NTSB – Managing Risk in Public Helicopter Operations			
10:30 am – 12:00 pm	<b>Safety Directors Forum: Your Helicopter Crashed – Now What?</b> Conversations with Senior NTSB and FAA Managers			
Tuesday, March 3, 2015				
8:30 AM – 9:30 AM	<b>Accident Causation and Prevention</b> Lance Hofmann, EagleMed, LLC	<b>IIMC: Real Threat, Lethal Consequences, Realistic Interventions</b> Bryan Smith, ALEA & USHST, & Rich Weber, Jacksonville (FL) Sheriff's Office	<b>International Helipad Database for Helicopters</b> Jonathan Godfrey, Children's National Health System	<b>Mixing Aviation and Medicine</b> Dudley Smith, CAMTS
	<b>My Type A Is Better than Yours!</b> Scott Burgess, Embry-Riddle, & Katherine Hilst, Safety Design Consulting	<b>Redefining the Safety Culture Concept for Rotorcraft</b> David M. Bjellos, Flight Safety Foundation	<b>Safety Ignited! Industry in Action</b> HAI Safety Committee Members	
8:30 AM – 10:30 AM	<b>Professionalism: Beyond the Dirty Dozen</b> Richard Komarniski, Grey Owl Consultants			
10:00 AM – 12:00 PM	<b>Safety Committee Town Hall</b>			
1:00 PM – 2:00 PM	<b>Aviation Law: What Pilots Need to Know</b> Jon Kettles, The Kettles Law Firm	<b>Helicopter HUMS Case Studies</b> Murdock Welborn, Honeywell Aerospace	<b>Help! I'm the New Safety Officer</b> Lance Hofmann, EagleMed	<b>Hope Is Not a Strategy</b> Bruce Webb, Airbus Helicopters
	<b>Just Culture: Responsibility vs. Accountability</b> Katherine Hilst, Safety Design Consulting	<b>Max Impact: A Story of Survival</b> Jonathan Godfrey, Children's National Health System	<b>What the FRAT?</b> Bryan Smith, ALEA & USHST; USHST SMS Committee Members	
1:00 PM – 3:00 PM	<b>Authorotations: Reality Exposed</b> Industry Professionals & Government Agencies (NTSB & FAA)			
1:00 PM – 3:00 PM	<b>Seeing Better Than 20/20: Proposed Helicopter Operational Safety Improvements Using Advanced Vision Systems</b>			
2:15 PM – 3:15 PM	<b>Aviation Human Factors: Protecting Us from Ourselves</b> Jason Quisling, Air Methods & USHST	<b>Forced Landings</b> Michael Becker, Becker Helicopters Pilot Academy	<b>Just Culture: Not as Simple as It May Seem</b> Sunshine McCarthy, Baldwin Aviation	<b>Procedural Intentional Noncompliance (PiNC): Rule Breaking</b> Don Lambert, Air Methods
	<b>Safety Culture and Social Media</b> Elan Head, Vertical Magazine	<b>Safety Data Analysis: Make It Actionable</b> Jeff Currin, Air Methods	<b>Updates in FAA Medical Certification</b> Charles Mathers, MD, MPH, Aerospace Medicine Center, UTMB	
3:30 PM – 4:30 PM	<b>Big Data: SMS + FDM = Safety Assurance</b> Stuart "Kipp" Lau, SkyTrac Systems & USHST	<b>Electronics and Software Programs for Maintenance Management</b> Rick Bisson, Tdata	<b>Fuel: The Lifeblood of Your Aircraft</b> Walter Chartrand, Aviation Training Academy	<b>The Hazardous Attitudes Lurking within You</b> Daniel A. Doepker, Hillsboro Aviation & USHST
	<b>iPad Takes Flight! EFB Challenge Edition</b> Charles Schneider, MyGoFlight	<b>Operation Cloud-Bound: Helicopter Instrument Proficiency</b> Steve Sparks, FAA & USHST	<b>Training: The Safety Vaccination</b> Nick Mayhew, Bristow Academy, USHST, & Mike Phillips, Frasca Int'l	

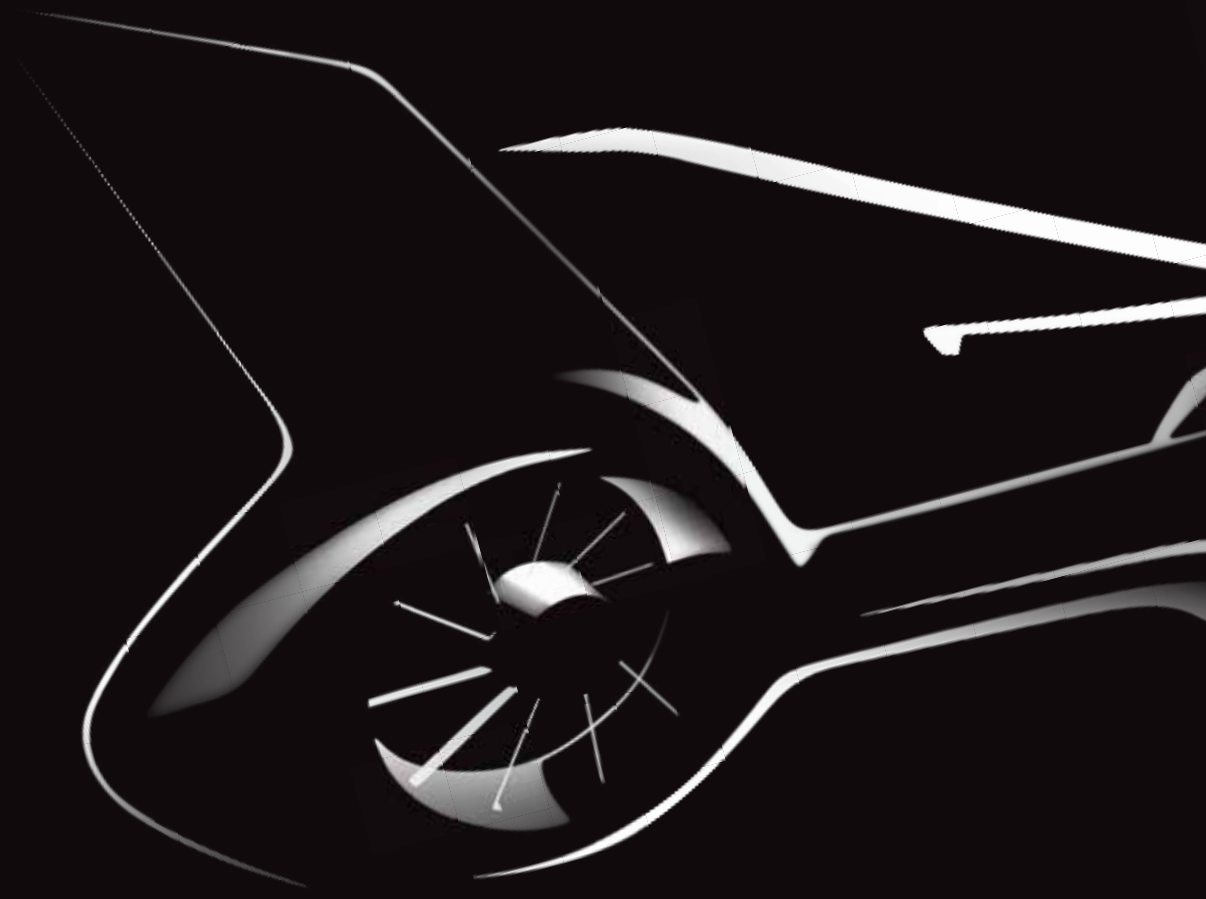
## Wednesday, March 4, 2015

8:30 AM – 9:30 AM	<b>Aeronautical Knowledge vs. What Pilots Should Know</b> Scott Burgess, Embry-Riddle	<b>Aviation Law: What Pilots Need to Know</b> Jon Kettles, The Kettles Law Firm	<b>Business and Safety Case for HUMS</b> Lance Antolick & Ken Speaks, RMCI	
	<b>Hope Is Not a Strategy</b> Bruce Webb, Airbus Helicopters	<b>Just Culture: Not as Simple as It May Seem</b> Sunshine McCarthy, Baldwin Aviation	<b>Training : The Safety Vaccination</b> Nick Mayhew, Bristow Academy, USHST, & Mike Phillips, Frasca Int'l	
8:30 AM – 10:30 AM	<b>Rotor Blade Preventive Maintenance</b> Dana Kerrick, International Aviation Composites		<b>The Flight Data Monitoring Reality Check: Why and How</b> Members, Global Helicopter Flight Data Monitoring Steering Group	
10:00 AM – 11:00 AM	<b>Aviation Human Factors: Protecting Us from Ourselves</b> Jason Quisling, Air Methods & USHST	<b>Introduction to Just Culture</b> Dudley Smith, CAMTS	<b>iPad Takes Flight! EFB Challenge Edition</b> Charles Schneider, MyGoFlight	
	<b>Max Impact: A Story of Survival</b> Jonathan Godfrey, Children's National Health System	<b>Safety Data Analysis: Make It Actionable</b> Jeff Currin, Air Methods	<b>What the FRAT?</b> Bryan Smith, ALEA & USHST; USHST SMS Committee Members	
10:30 AM – 12:00 PM	<b>Wildlife Hazards to Rotorcraft and Wildlife Strike Reporting Awareness</b> Brian E. Washburn, PhD, & Michael J. Begier, USDA Airport Wildlife Hazards Program			
11:30 AM – 12:30 PM	<b>Aeronautical Knowledge vs. What Pilots Should Know</b> Scott Burgess, Embry-Riddle	<b>Big Data: SMS + FDM = Safety Assurance</b> Stuart "Kipp" Lau, SkyTrac Systems and USHST	<b>Fuel: The Lifeblood of Your Aircraft</b> Walter Chartrand, Aviation Training Academy	
	<b>A Pragmatic Approach to Results-Oriented Training</b> George A. Santos, Loben Consult	<b>SMS and Technology: Do They Fit Together?</b> Christopher Young, PRISM and USHST	<b>We Are Not Finding New Ways to Crash Helicopters</b> HAI Safety Committee	
1:00 PM – 2:00 PM	<b>Anthropometric Flight Safety</b> Robert Joslin, PhD, FAA	<b>The Full-Touchdown Auto</b> Michael Becker, Becker Helicopters Pilot Academy	<b>Operation Cloud-Bound: Helicopter Instrument Proficiency</b> Steve Sparks, FAA & USHST	
	<b>Safety Culture: How We Lead</b> Tom Baldwin, Air Evac EMS	<b>Developing Rotorcraft ASIAs: An Overview of HFDM and Research</b> Keith M. Cianfrani, MAS, RSP, Florida Inst of Technology; Stephen Cusick, FAA; Cliff Johnson, FAA	<b>SMS for Small-Fleet or Private Operators</b> Bryan Smith, ALEA, USHST, & Christopher Young, PRISM, USHST	
2:30 PM – 3:30 PM	<b>Electronics and Software Programs for Maintenance Management</b> Rick Bisson, Tdata	<b>The Hazardous Attitudes Lurking within You</b> Daniel A. Doepker, Hillsboro Aviation & USHST	<b>Help! I'm the New Safety Officer</b> Lance Hofmann, EagleMed	
	<b>HFDM, Analysis, and ROI Outcomes</b> Kim Bagnall, SkyTrac Systems	<b>Mixing Aviation and Medicine</b> Dudley Smith, CAMTS	<b>Safety Culture and Social Media</b> Elan Head, Vertical Magazine	
2:30 PM – 4:30 PM	<b>Primacy of Teaching Autorotations</b> Philipp Wynands, Bristow Academy			
2:30 PM – 4:30 PM	<b>Get the Most Out of Your Training</b> HAI Training Committee			
4:00 PM – 5:00 PM	<b>Accident Causation and Prevention</b> Lance Hofmann, EagleMed	<b>IIMC: Real Threat, Lethal Consequences, Realistic Interventions</b> Bryan Smith, ALEA, USHST, & Rich Weber, Jacksonville (FL) Sheriff's Office	<b>International Helipad Database for Helicopters</b> Jonathan Godfrey, Children's National Health System	
	<b>Limited Power and Confined Areas</b> Michael Becker, Becker Helicopters Pilot Academy	<b>Unlocking the Power of Your Safety Program</b> Sunshine McCarthy, Baldwin Aviation	<b>Where's the Pilot? An Overview of Unmanned Aircraft Systems Research Activities</b> Cliff Johnson, FAA	

# SAY HELLO

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Join us and say hello to the  
first of the next generation at  
HAI Heli-Expo 2015, March 3-5  
Booth # 2437



**AIRBUS**  
HELICOPTERS