

2019 ATEC Annual Conference Breakout Descriptions

Visit www.atec-amt.org/annual-conference often, details and speakers will be added as they are confirmed.

1.0 Expanding Airman Testing: Organization Designation Authorization

The FAA is expanding its Organization Designation Authorization (ODA) program to include examiner delegations. Schools will soon be able to apply for the designation and thereafter manage their own “unit member” examiners according to an FAA-approved and overseen quality system. Hear more about the program, anticipated timeline and applicant criteria. Also get an update on implementation of the new safety designee management system.

Jay Kitchens, Manager, Designee Program Branch, FAA

1.1 Best Practices: Aerospace Pathway Programs

With AMTS at 55% capacity nationwide, and industry workforce needs at critical levels, the community is finding better ways to broaden the pipeline. Hear about some innovative programs that are moving the needle.

Ryan Goertzen, Vice President Maintenance Workforce Development, AAR

1.2 Best Practices: Distance Learning

Panelists provide a comprehensive approach to designing, building, implementing, and teaching online content. Get an overview of ATEC's Best Practices Guide for online instruction in part 147 programs and hear directly from its authors on the collection of references that will benefit any instructor considering taking their class online.

Karen Johnson, Associate Professor, Department of Aviation Technologies, Southern Illinois University Carbondale and ATEC Director & Journal Editor

Daniel Siao, Assistant Professor, Part 147 Coordinator, Aerospace Department, Middle Tennessee State University

1.3 Military Transitions

Hear about an innovative Air Force program that facilitates transition from military to civilian life.

Presenter(s) TBA

2.0 Airman Certification Standards

New airman certification standards are expected to publish in June, with a summer 2020 implementation date.

Understand the purpose behind the new standards, how it works within the greater system, and how the standard will impact technician testing and training.

Jackie Spanitz, Curriculum Director, Aviation Supplies & Academics, Inc.

Larry West, Manager, Airman Testing Standards, FAA

2.1 Integrating the Airman Certification Standards into AMTS Curriculum

What must an aviation maintenance technician school consider in preparation for new airman certifications standards? Panelists provide an overview of the differences between current part 147 requirements and imminent mechanic standards, and practical tips and tricks from those that have already started creating and/or revising curriculum.

Chuck Horning, Associate Professor & Department Chairman, Embry-Riddle Aeronautical University

David Jones, Senior Writer/Editor, Avotek

2.2 Developments in Airman Testing

Development of new airman certification standards is driving test bank and handbook revisions and oral and practical testing changes. Get a heads up on changes coming down the pike.

David Dagenais, Program Manager, Florida State College at Jacksonville
Stephanie Williams, Aviation Safety Inspector, Designee Standardization, FAA

2.3 Mechanic Testing: New Management for the Knowledge Test

The FAA awarded a new contract for governance of the mechanic knowledge test. Terms include improvements to how the agency facilitates and assesses applicants. Hear about changes coming down the pike.

Presenter(s) TBA

3.0 Apprenticeship Programs

The National Transportation, Distribution and Logistics (TDL) industry intermediary is contracted by the U.S. Department of Labor Office of Apprenticeship to expand awareness and adoption of registered apprenticeship for workforce development. Hear how your school or company can take advantage of the \$7.9 million, 5-year federal initiative to expand registered apprenticeships.

Katie Adams, Project Manager, Director of Marketing & Communications, TRANSPORTs, a U.S. DOL National Industry Partner

3.1 Best Practices: Human Resources

Join community peers for a roundtable discussion on recruiting best practices. What is the best way to communicate with candidates? What is the right outreach forum? What's the right message? What is the best way to get in front of students? Share ideas and thoughts with fellow talent acquisition personnel.

Presenter(s) TBA

3.2 The Airbus Flying Challenge

The Airbus Flying Challenge, supported through a grant from the Airbus Foundation in partnership with Texas-based nonprofit Tango Flight, provides high school students the opportunity to build an RV-12 kit plane from scratch. Hear about the innovative academic and mentorship program, and how the local community pulled together to make it happen.

John O'Leary, Vice President and General Manager, Airbus Americas Engineering

3.3 Soft Skills Matter, Can They Be Taught?

Technical skills must be augmented with highly valued employability skills (or "soft skills") to ensure that those who land the job, keep the job. Hear how one school is providing instruction centered on character development and workplace ethics.

Monica Stewart, Executive Director of the Strategic Innovations Division, WSU Tech

4.0 Instructor Science Fair

Most AMTS students would rather do a thing than hear about it. Come see some of the coolest and surprisingly inexpensive ways to reach your students when teaching abstract concepts in your curriculum. It's not edutainment, it's engaging your students in ways that promote retention.

William Russo, Aviation Program Director, University of the District of Columbia Community College

4.1 Augmented Reality

Employers all over the country are embracing virtual and augmented reality as a training aid. AMTS schools are starting to follow suit. Come see a presentation by two schools developing these tools in the classroom and experience them for yourself.

Cliff Nelson, Director of Instructional Technologies & Academic Support, WSUTech – Wichita

Kelly Filgo, Executive Director of Strategic Relations, Texas State Technical College – Waco

4.2 You're Doing it Right: Teaching Techniques

Most A&P Schools hire instructors because of their industry experience, not their academic credentials. Your best faculty members may have never heard the words pedagogy or epistemology, but they have a clear knack for teaching. In this informal discussion we will connect those teaching instincts with the educational theories that support them.

Kelly Filgo, Executive Director of Strategic Relations, Texas State Technical College – Waco

4.3 Book Club

*Join your colleagues from across the nation and discuss a shared selection relevant to student learning and faculty growth. Our first book is Matthew Crawford's *The World Beyond Your Head*, a fantastic look at our cultural lack of attention and how manual competency is an antidote, with clear implications on how this affects students. Stay tuned for an advance study guide that will be available on the ATEC website prior to the conference.*

Kelly Filgo, Executive Director of Strategic Relations, Texas State Technical College – Waco

5.0 Daniels Precision Electrical Termination

Crimping is the cornerstone of electrical termination in high-reliability applications. When properly performed, crimping results in a reliable connection between a contact and conductor that incorporates dependable electrical and mechanical characteristics. This session will be hands-on learning with the industry leaders in high reliability wiring tools; Daniels Manufacturing Corporation. Attendees of this breakout session will get a sneak peek at the certification training material, tools and lab activities being used to upskill instructors and certify students.

Matthew Bohannon, Marketing Manager, Daniels Manufacturing Corporation

5.1 Snap-on Torque Instruments and Sheetmetal Assembly

Get a sneak peek at the Snap-on Mechanical and Electronic Torque Instruments certification and Structural Sheetmetal Assembly certification training material, tools and lab activities being used to upskill instructors and certify students. This session will be hands-on learning with the latest torque instruments and sheetmetal assembly tools. Nowhere is torque more critical than in aviation and aerospace. See how the certification program helps students understand torque theory; clamping force and bolt elasticity through the use of training aids. Attendees will also get hands on with the latest palm drills, rivet shavers and cutting edge Starrett measuring devices to help get students the "ah-ha" moments that make learning exciting.

Earl Bailey, National Education Partnerships Manager, Snap-on Industrial

John Gamble, Business Partnerships Manager, Technical Education, Snap-on Industrial