CONCRETE Paving | PROGRAM

7:00am-8:00am REGISTRO Y DESAYUNO

8:00am-8:45am **Welcome, Workshop Agenda, and Discussion of Unique Challenges of Airfield Paving**
(Gary L. Mitchell, P.E., ACPTP Laision)
Airfield paving is different from highways or street and local roads. Administrative challenges on how to access the site to get personnel, subcontractors, materials, and equipment to minimize FOD risk, as well as communication with air traffic control all make airfield construction difficult. Addressing these challenges coupled with process control to meet low construction tolerance is a must. We will present some of the unique challenges of airfield paving and how to address them.

8:45am-9:30am **Perfect Specifications and Other Myths**
(Dr. Peter Taylor, P.E., CP Tech Center)
Agencies have guide specifications for engineers to use when specifying projects. Oftentimes the engineer provides the specifications without knowing the intent or consequences when the specifications are not strictly met. The lecture will discuss, why do we write specifications, what we want from them, how do we know got what we want, and the philosophy of testing.

9:30am-9:45am BREAK

9:45am-10:30am **Overview of FAA Guidance on Pavement Design and Construction Advisory Circulars & Engineering Briefs**
(Harold Muñiz, FAA)
Numerous guide documents exist that must be followed for the design and construction of commercial pavements using Airport Improvement Program (AIP) funds. This lesson will present a brief discussion of the required guidance and engineering briefs that should be followed for FAA airfield pavement design and construction

10:30am-11:15am **Using Section 50 Control of Work**
(Gary L. Mitchell, P.E., Enlace de la Industria ACPTP)
For successful completion of airfield paving projects, many times engineering judgement must be used. This lesson will provide the attendees with how Section 50 Control of Work is intended to allow for engineering judgement in acceptance of airfield pavement construction.

11:15am-12:00pm **FAA Specifications for Subbase, Base, and Stabilized Base Construction**
(Harold Muñiz, FAA)
Subbase, base, and stabilized base construction are all important for proper airfield pavement construction. The lesson will present and discuss FAA specification requirements for P-154, P209, P304, P307 and other specification items in AC 150/5370-10.

12:00pm-1:00pm LUNCH

1:00pm-1:45pm **Performance Engineered Mixtures for Airfield Paving**
(Dr. Peter Taylor, P.E., CP Tech Center)
The ACPTP has ongoing research into developing performance engineer mixtures for airfield pavements. In this lesson, Dr. Taylor will explain what PEM is, how PEM for highway and airfield differ, and update the attendee on the current preliminary findings and requirements on PEM for airfields.

1:45pm-2:30pm **P-501 Federal Aviation Administration Concrete Pavement Specification**
(Harold Muñiz, FAA)
FAA Advisory Circular 150/5370-10, Item P-501 is the guide specification for airfield concrete pavement construction. In this lesson, the attendees will gain an understanding of the requirements and intent of the airfield concrete pavement specification. Discussion will focus on common areas of concern that need to be understood by the owner, engineer, and contractor. Potential updates to P-501 may also be discussed.

2:30pm-3:15pm **Challenges between Contractor Quality Control and Owners Quality Assurance**
(Gary L. Mitchell, P.E., Enlace de la Industria ACPTP)
Some projects end up with disputes between Contractor Quality Control (QC) and the Owners Quality Assurance (QA). Often these disputes arise when QC beams and QA beams are not comparable. Sometimes disagreement arises when a new mixture design is required. Other times disputes arise as to what constitutes a successful control or test strip. This lesson will discuss handling beams, control strips, and adjusting mixtures to meet the intent of project specifications.

3:15pm-3:30pm BREAK

3:30pm-4:15pm **Concrete Paver Setup and Operation**
(Gary L. Mitchell, P.E., Enlace de la Industria ACPTP)
This presentation will explain the mechanical operation of slip-form pavers. How the paver works and critical set up properties to produce high-quality concrete pavements will be discussed.

4:15pm-5:00pm **Panel Session with Local Industry Leaders**
(Humberto Reynolds, PE - Del Valle Group, Rubén Segarra, PE - Segarra Engineering Consulting Group)
Local representatives will bring projected and real cases to address the realities of the Caribbean's particularities.

5:00pm-5:15pm **Wrap up, discussion, evaluation, and questions and answers**
This portion of the program will provide a practical summary of what was learned and project how the implementation of the material discussed will improve the safety and quality of the processes covered.

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ACPA AMERICAN CONCRETE PAVEMENT ASSOCIATION
ACPTP Airport Concrete Pavement Technology Program
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CONCRETE Paving

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- **MEMBERS*** | **$195.00**
- **NON-MEMBERS** | **$250.00**
- **ON-SITE REGISTRATIONS** | **$275.00**

* APC & similar associations

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