



Asphalt Institute Webinar

Title: Intelligent Compaction – A **Smart** Innovation

Duration: 90 minutes

Cost: \$25

Instructors:

Robert “Bob” Horan, Regional Engineer, Asphalt Institute

Victor “Lee” Gallivan, Office of Pavement Technology, Federal Highway Administration

Overview: This webinar will provide participants with an overview of the effort to study and implement the use of Intelligent Technology (IC) in the United States. IC is the most recent major innovation in compaction technology since vibratory rollers over 30 years ago. This webinar will focus on the application of IC technology to tandem drum rollers used for compaction of Hot Mix Asphalt (HMA) and Warm Mix Asphalt (WMA). In the first presentation, FHWA’s Lee Gallivan will introduce the concept of IC and the benefits to both agencies and contractors it can provide. He will also describe the ongoing IC Pooled Fund project, which is a three year research study of field projects in 12 states. Bob Horan, Regional Engineer for Asphalt Institute, will then provide the second presentation which will give details of the ICPF’s asphalt materials studies and “mini-demos” and discuss the major findings of those research efforts. Webinar participants will clearly understand that IC is the future of compaction technology and that IC can be used to improve the compaction process itself and that it can be a valuable tool for QC and ultimately acceptance of the compaction operation.

Intended Audience: This webinar is designed for technicians, engineers, contractors, consultants, engineers, federal agencies such as FAA, FHWA, and military as well as DOD contractors, state, city and county officials.

What will participants learn?: The instructors are two of the most knowledgeable individuals in the country on the subject of Intelligent Compaction. They have been involved with numerous field projects where IC was used in practical research efforts. This webinar will answer the questions – “What is Intelligent Compaction?”, “Why do we need IC?”, “Who are the suppliers of IC technology and equipment?”, “What are the benefits of IC?”, and “What are the major findings of research on actual field projects?”

Outline:

- What is Intelligent Compaction (IC)?
- Why do we need IC?
- What are benefits of IC?
- What is the IC Pooled Fund? What are “mini-demos”?
- Who are suppliers of IC?
- What equipment is needed for an IC field project?
- What are major findings of ICPF and mini-demos?
- What is next for IC?
- Introduction of Intelligent Construction Concept
- Questions & Answers

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