

Intelligent Construction Technologies Workshop

Sponsored by [FHWA Project HIF230086PR](#)

Date and Location

- 8:00 AM to noon, Thursday, February 20th, 2025
- 52nd Annual Rocky Mountain Asphalt Conference & Equipment Show (RMACES)
- Marriott Denver Tech Center (4900 S Syracuse St, Denver, CO 80237) Room Iris (see the floor plan and directions on the last page)



FREE Registration

- **On-site, In-Person:** Please [click here to sign up](#) or scan the QR Code below.



- **Remote:** Please [click here to sign up](#) for the remote GotoWebinar option or scan the QR code below.



Objectives

- Overview of non-destructive testing and intelligent construction technologies for asphalt paving.
- Summarize PMTP, IC, DPS, Veta: capabilities, shortfalls, and appropriate usage.
- Share ICT implementation strategies to improve quality, safety, asset management/performance, and to reduce costs.

Agenda

The workshop duration is 4 hours, including a 20-minute break.

Time	Topics
08:00 AM to 08:35 AM	Introduction and Overview
08:35 AM to 09:10 AM	Paver Mounted Thermal Profile (PMTTP)
09:10 AM to 09:45 AM	Intelligent Compaction (IC)
09:45 AM to 10:05 AM	Break
10:05 AM to 10:50 AM	Dielectric Profiling System (DPS)
10:50 AM to 11:35 AM	Veta and Case Studies
10:35 AM to 12:00 PM	Implementation

Who Should Attend

Contractors, FHWA and DOT agencies, consultants, and academics who are interested in implementing ICT on asphalt paving projects to improve the quality.

Handouts and PDH/CEU

All sign-up persons for the on-site, in-person option, will receive a PDF version of the complete workshop handouts (detailed workshop information, the slide pages for note-taking, etc.) and 4 units of PDH or 0.4 units of CEU for completing the workshop.

Contact Information

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- George K. Chang, PhD, PE (NJ), Transtec Group, T: +1 (512) 659 1231, GKChang@TheTranstecGroup.com

Moderator



Monica Jurado

Pavement and Material Engineer, FHWA
Email: monica.jurado@dot.gov

Speakers



Dr. George K. Chang, P.E.

Director of Research
The Transtec Group
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Dr. George Chang is an expert on pavement smoothness, intelligent compaction, and construction technologies. Dr. Chang founded the International Society for Intelligent Construction (ISIC). His research, teaching, specification development, and software tools (such as ProVAL and Veta) have helped make significant technological advancements in the above fields. Dr. Chang has been the principal investigator for numerous projects that enhance pavement materials/structures, surface characteristics, etc., in the past three decades.



Dr. Subu Sankaranarayanan

Project Manager
The Transtec Group
Email: Subu@TheTranstecGroup.com

Dr. Subu Sankaranarayanan has over 3 years of experience in the analysis, design, instrumentation, and testing of flexible pavement systems using modern technologies such as accelerated pavement testing and non-destructive testing. During his PhD, Subu helped develop a laser profilometer capable of measuring pavement surface profiles under laboratory conditions using a line laser mounted on a servo-controlled actuator. He also helped develop several informational and training materials for TxDOT on centrifuge testing of expansive clays and soil-geosynthetic interaction tests to characterize geogrids for use as base reinforcement.

Venue - [Marriott Denver Tech Center](#)

Address: 4900 S. Syracuse Street, Denver, CO 80237, (303) 779-1100 (20 min. from Denver airport)



Meeting Room

The ICT workshop will be conducted in the Iris room. See the floor plan and directions below.



DENVER TECH CENTER

ICT Workshop Location

GROUND LEVEL

PEAK LEVEL MEETING ROOMS

