# ISA AND IEEE

# MONTHLY MEETING Wednesday-February 22, 2012

**TOPIC:** **FDT (Field Device Tool) technology** is an IEC 62453 standard and an ISA103/ANSI standard in North America. An open standard that provide a common interface for device integration between the host and the devices, independent of the communication protocol (FF, HART, Profibus, etc.)

FDT normally present a 45 minute presentation outlining an overview of the technology, discussing why it's needed, who it's for, the benefits/cost savings, etc.

The presentation is then followed by a technology demonstration – 15 minutes. Ending with Q/A.

LOCATION: AMERICAS BEST VALUE INN, 3023 WASHINGTON ROAD, Augusta GA

TIME: 6:15 PM REGISTRATION, 6:30 PM DINNER

COST: $5 for ISA MEMBERS WITH RSVP

$10 for NON-MEMBERS and for ISA MEMBERS WITHOUT RSVP.

Students with RSVP and valid student ID will be free.

RSVP: isaga@isaga.org by Monday noon, February 20, 2012.

*Who should attend:* Plant Engineers, Process Engineers, Instrumentation and Controls Engineers, Maintenance Managers, Operations Managers, Plant Managers.

*What is FDT?* FDT, known as IEC 62453, standardizes the communication and configuration interface between all field devices and host systems, and provides a common visual environment for accessing the devices' most sophisticated features.

Any device can be configured, operated, and maintained through the standardized user interface regardless of supplier, type or communication protocol.

*Why is FDT needed?* Field instrumentation and control systems have come a long way since the 4-20 mA analog loops that have been the cornerstone of the automation industry for many decades. However, with all the new features and flexibility packed in today's smart instrumentation, field engineers and technicians now face a new challenge — a multitude of communication protocols, platform compatibility, and how to incorporate all this new-found intelligence into their applications.

*The FDT Advantage is a Game Changer!* Presentation is vendor-neutral, offering an overview of the technology providing the basic understanding of how easy it is to have a common tool-set that accesses a manufacturer's device intelligence on most communication platforms. Learn how it fits in new or existing plant infrastructures by providing process-improving benefits with impact on the bottom line. These benefits are achievable throughout the entire lifecycle of the solution with standardized integration of device diagnostics from today's smart field devices for improved asset management.

A live technology demonstration highlighting the business benefits of the technology will showcase how commissioning is made easy and advanced diagnostics are graphically displayed, making the life of a plant engineer a little easier.