

# CAEN Academy Tour

## INTRODUCING 2ND GENERATION DIGITIZERS AND THE SCI-COMPILER EXPERIENCE



**SCI-COMPILER**

**HANDS-ON TRAINING TO DEVELOP, TEST AND DEPLOY YOUR OWN FPGA-BASED DIGITAL PROCESSING FOR CAEN'S NEW GENERATION DIGITIZERS.**



### WHERE

1. **Mumbai: Saturday April 11th**, Oasis Banquets, Vidhyarthi Marg, Chembur
2. **Delhi: Monday April 13th**, Inter University Accelerator Center (IUAC)
3. **Kolkata: Thursday April 16th**, Bose Institute

### STARTING TIME

10:00 am.

### FOR MORE INFO

[www.caen.it](http://www.caen.it)

[www.sci-compiler.com](http://www.sci-compiler.com)

### AGENDA

1. Introduction to CAEN's 2nd Generation Digitizers: Discover the new features, advantages, and architectures of the **CAEN x2740/x2745/x2730/x2751 digitizer series**, optimized for real-time digital signal processing.
2. **Sci-Compiler Overview and Live Demo:** See how the Sci-Compiler graphical environment enables you to build FPGA firmware without writing HDL - using block diagrams and automated VHDL generation.
3. **Practical Hands-On Session with the SMART Kit:** Use your own PC and a CAEN SMART evaluation kit to build, compile, upload, and test a real DAQ firmware -in minutes.

### WHAT YOU WILL LEARN

- Programming CAEN Digitizers with no HDL knowledge
- Implementing custom digital algorithms (oscilloscope, scaler, charge integration, PSD...)
- Deploying firmware directly on CAEN boards
- Using CAEN SciSDK Python/C++ tools for control and readout

### WHAT'S INCLUDED

- CAEN SMART Kit during the training
- Example projects and technical material
- Direct support from CAEN R&D staff

### SPEAKERS

**Massimo Venaruzzo** (CAENspa India Pvt Ltd Director)

**Andrea Abba** (Nuclear Instruments founder and Sci-Compiler developer)