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Fakultät für Ingenieurwesen
Facoltà di Ingegneria
Faculty of Engineering

Tektronix®

Exclusive On-Site Seminar by unibz & Tektronix

# AI in Test & Measurement

## Beyond AI Copy-Paste Engineering



AI is rapidly reshaping engineering workflows - from design to validation. Yet most teams struggle to connect AI capabilities with real test systems, instruments, and data. This session bridges that gap, showing how to apply AI practically in your environment to accelerate development, improve insight, and modernize test strategies prompting.

## What You'll Learn

- How AI enhances **design, development, and test workflows**
- AI across **hardware, software, and validation teams**
- How to build **AI-assisted test and automation workflows**
- Introduction to **Agent + Context + Tools frameworks**
- How **MCP (Model Context Protocol)** connects AI to real instruments and data

## Format

**Live demos**

**Interactive discussion**

**Tailored to your applications**

### unibz

NOI Techpark . A2 building . Room A2.2.32
Via Volta 13/A - Bolzano

**Tuesday 17 November 2026**
**Session #1: 10.00 - 12.00**

**www.tek.com**
**Enabling Intelligent Test Workflows**

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# Your Amps Are Lying to You

## Measuring Current from Nanoamps to Gigahertz



Current measurement becomes increasingly difficult as signals move from nanoamps at DC to fast switching currents approaching 1 GHz. This practical session shows how to select the right sensing method, configure the measurement correctly, and understand how far the result can be trusted.

## What You'll Learn

- **Understand** resolution, accuracy, range, bandwidth, burden, noise and parasitics.
- **Compare** shunts, Hall-effect sensors, current transformers, Rogowski coils and isolated shunts.
- **Select** the right method for current level, bandwidth, common-mode voltage and acceptable burden.
- **Set up** scope-based measurements using degauss, zero and deskew.
- **Account** for probe loading and bandwidth limitations.
- **Design** for measurability before the circuit layout is finalized.

## Format

**Live demos**

**Interactive discussion**

**Tailored to your applications**

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NOI Techpark . A2 building . Room A2.2.32
Via Volta 13/A - Bolzano

**Tuesday 17 November 2026**
**Session #2: 14.00 - 16.00**

**www.tek.com**
**Measure Current with Confidence**