

# Accurate measurement of highly dynamic forces and accelerations

## Seminar description

This basic course provides an introduction to piezoelectric measurement technology and provides essential instruction on dimensioning, installation and maintenance of force sensors. In workshops, the training participants will learn the correct way to work with piezoelectric measuring chains and find out how to adjust the charge meter and properly install the sensor.

A single-axis force sensor will also be correctly installed and calibrated in a fixture.

## Seminar content

- Design, principle of operation and installation of piezoelectric force sensors
- Determination of pretension and permissible load limits
- Charge amplifier and signal processing for measurement of highly dynamic forces
- Dynamic calibration
- Dynamic properties test through impact/frequency analysis

## Goal

The goal of the seminar is to give participants the confidence they need to set up and operate highly dynamic measuring chains without assistance.

## Target group

Users from all research, development and test bench testing

## Prerequisite for participation

None

## Duration

1 day

## Seminar number

9966B37-5-0-1-2

This seminar can also be held on-site at your company upon request. Please inquire about dates and cost.

## Register at:

[training.de@kistler.com](mailto:training.de@kistler.com)