

TWO TRAINING SESSIONS ON JUNE 29TH AT ACTUATOR 2026

PIEZOELECTRIC ACTUATORS

Introductory course
Dr. Frank CLAEYSSEN

Basic knowledges

- Basics on piezoelectric materials bulk and MLA
- Piezo materials for actuators
- Constitutive laws / Equivalent electric circuit

Review of piezoelectric actuators

- Review of direct and amplified piezoelectric actuators
- Piezo mechanisms
- Exercises

Review of piezoelectric motors

- Piezoelectric motors
- Resonant structure
- Tribology of piezoelectric motors



Practises

LINEAR MAGNETIC ACTUATORS

Introductory course
Dr. Xavier DE LÉPINE

Basics of magnetism for actuators

- Magnetic effects and laws
- Magnetic forces
- Magnetic materials

Linear magnetic actuators

- The different kinds of linear actuators
- Design and performance of:
 - Moving coil actuators,
 - Moving magnet actuators,
 - Moving iron actuators.
- Introduction to other magnetic actuators:
 - MRF,
 - ...

Practises



ACTUATOR 26

International Conference and Exhibition on
New Actuator Systems and Applications



Contact and registration

CEDRAT TECHNOLOGIES: Mrs. Sandrine HUGI
training.ct@cedrat-tec.com
+33 (0)4 56 58 04 00
www.cedrat-technologies.com

Venue

June 29th, 2026, from 9 am to 5 pm
Kurhaus Wiesbaden
Kurhausplatz 1
65189 Wiesbaden

Who should attend

Engineers in a research department
Electronics and mechanical engineers

Participation fee

650€ for participants from industry
550€ for participants from university
Including documentation, coffee and lunch breaks