



Germann Instruments

Test Right – Sleep Tight

Lifetime Achievement Award & Conference Presentation Structural Faults + Repair 2026 – Edinburgh, Scotland

Claus Petersen receives Lifetime Achievement Award

We are pleased to share that Mr. Claus Germann Petersen, President of Germann Instruments, was honored with a Lifetime Achievement Award during the 20th Structural Faults + Repair Conference and European Bridge Conference 2026 in Edinburgh, Scotland.

The award was presented by Professor Michael C. Forde from The University of Edinburgh in recognition of Mr. Petersen's longstanding contributions to non-destructive testing for concrete evaluation.





Curing, Pull-Out strength, durability and service life of concrete structures

At the conference, Mr. Petersen gave a presentation on the relationship between concrete curing practices, cover layer quality, pull-out strength testing (LOK-TEST and CAPO-TEST), durability assessment and service life estimation.

The presentation highlights the importance of evaluating the concrete cover layer, which directly protects reinforcement and significantly influences long-term durability and service life.

Key technical messages

- The quality of the cover layer is critical for durability.
- Poor curing can significantly reduce cover layer strength and durability performance.
- In chloride-aggressive exposure conditions (marine exposure, de-icing salts, contaminated soil, industrial environments, etc.), inadequate curing allows chlorides to penetrate more rapidly and reach the reinforcement sooner, significantly reducing the service life of the structures.
- Pull-out testing (LOK or CAPO) provides a direct measurement of the compressive strength of the cover layer.
- Combining pull-out testing with resistivity measurements can provide valuable information for service-life assessment.
- Practical cases demonstrate how in-place testing can support quality control during construction and evaluation of existing structures.

[**Click here to download full presentation**](#)



NDTitans is an international team of concrete testing experts specialized in nondestructive testing (NDT). We include professionals from consulting firms, testing companies, and academic institutions, all dedicated to excellence and innovation in NDT methodologies. Our culture promotes collaboration and a proactive approach in our work with research centers, educational institutions and clients globally.

Germann Instruments designs and manufactures advanced non-destructive testing (NDT) equipment, known for precise, reliable solutions across the concrete industry. It is a leader in innovative technology, providing state-of-the-art equipment and specialized support worldwide.

Germann Instruments, INC.

(847) 329 9999

germann@germann.org

8845 Forest View Road, Evanston, IL 60203, USA

Germann Instruments, A/S

(+45) 39677117

germann-eu@germann.org

Emdrupvej 102, DK-2400, Copenhagen, Denmark

[Home](#)

[Contact Us](#)

[Follow Us](#)