

Lance Luke Presents on Extending the Life of Concrete at International Structural Engineering Conference in Edinburgh

HONOLULU, HI, UNITED STATES, August 29, 2026 /EINPresswire.com/ -- Building expert Lance Luke, President of [Construction Management Inspection LLC](#) (CMI), recently presented his paper, "Extending the Life of Concrete," at the 20th Structural Faults + Repair Conference, held alongside the European Bridge Conference 2026 at the Royal Society of Edinburgh in Edinburgh, Scotland.



The internationally recognized conference brought together engineers, researchers, consultants, contractors, infrastructure owners, and industry professionals from around the world to discuss advances in structural assessment, repair, preservation, and maintenance of buildings, bridges, and other critical infrastructure.

Luke's presentation focused on practical strategies for extending the service life of concrete structures through early assessment, proactive maintenance, targeted repair methods, and informed decision-making. Drawing upon decades of field experience in building inspections, construction defect investigations, and forensic evaluations, he emphasized the importance of identifying deterioration before it develops into costly structural failures.

"Extending the life of existing concrete structures is often the most sustainable and cost-effective solution," said Luke. "With proper inspections, timely maintenance, and appropriate repair strategies, many structures can continue serving communities safely for decades beyond their original expectations."

The presentation highlighted common deterioration mechanisms, including reinforcement corrosion, moisture intrusion, cracking, and concrete spalling, while discussing practical approaches to condition assessment using non-destructive testing (NDT), corrosion evaluation, and long-term maintenance planning. Luke also addressed emerging technologies that support improved infrastructure management, including structural health monitoring and digital

assessment tools.

The Structural Faults + Repair Conference, established in 1983, is recognized internationally as one of the leading forums dedicated to structural preservation, rehabilitation, and repair engineering. The 2026 conference featured presentations from universities, engineering firms, research institutions, and industry practitioners representing numerous countries.

Luke's participation reflects Construction Management Inspection LLC's continuing commitment to advancing building safety, promoting best practices in structural evaluation, and sharing practical knowledge with the international engineering community.

As an author, speaker, and building expert, Luke regularly presents on topics related to building inspections, condominium maintenance, construction defects, disaster investigations, infrastructure resilience, and public safety.

About Lance Luke

Lance Luke is President of Construction Management Inspection LLC (CMI), a Hawaii-based consulting firm specializing in building inspections, construction consulting, expert witness services, construction defect investigations, and property condition assessments. Through his educational platforms, publications, and speaking engagements, he works to improve building safety, maintenance practices, and public awareness of construction-related issues.

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