



IALCCE 2012

Third International Symposium
on Life-Cycle Civil Engineering

3 - 6 October 2012
Hofburg Palace, Vienna, Austria

IALCCE

The Symposium is organized on behalf of International Association for Life-Cycle Civil Engineering (IALCCE) under the auspices of the University of Natural Resources and Life Sciences. IALCCE (www.ialcce.org) is a young Association founded in October 2006. Its activities encompass all aspects of life-cycle assessment, design, maintenance, rehabilitation, and monitoring of civil engineering systems.

The International Symposium on Life-Cycle Civil Engineering is a biennial event. In 2012, Austria will host the Symposium for the first time. The IALCCE 2012 Symposium provides an opportunity for academics, engineers, architects, and builders from Austria, Europe, and around the world to keep themselves up to date with latest developments in the field of life-cycle civil engineering.

Mini - Symposium MS 1-3:

Life-Cycle and Reliability Assessment of Anchorage Systems in Concrete, Masonry
and Steel Constructions

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In construction industry anchors have been used since the early 1900's to secure building components. With the evolution of drilling technology from chisels to rotary-percussion tools the field of anchoring technology becomes more and more important for the construction industry.

Fastenings must be designed in such a way that they do their job for which they are intended. In the majority of cases only the short-term performance is well known and considered in the engineering design - the long-term behaviour usually covered by very conservative assumptions. The knowledge about the long-term behaviour of anchorage systems is small and cannot be regulated by prescriptive standards. It is a relatively young discipline, meaning that the state of the art is changing and improving very fast but not standardised for anchors.

The aim of the session is to bring together researchers working in the field of analysis of the long-term behaviour in order to perform finally the reliability assessment of anchorage systems.