

3<sup>rd</sup> Symposium  
on  
Structural Durability  
in  
Darmstadt



May 26 - 27, 2011  
Darmstadt, Germany  
MARITIM Konferenzhotel



## Contents

For more than half a century, Darmstadt has been a center of essential expertise in structural durability. Test and a measurement equipment, computational methods and design philosophies have been developed. To illustrate the continuity of activities in this field several institutes and companies have grouped together to present the Symposium on Structural Durability in Darmstadt. The Symposium is organised by

- Institute for Materials Technology / State Materials Testing Institute (IfW / MPA)
- Fraunhofer Institute for Structural Durability and System Reliability / System Reliability and Machine Acoustics (LBF / SzM)
- Institute of Steel Construction and Materials Mechanics (IFSW)
- Instron® Structural Testing Systems GmbH
- Hottinger Baldwin Messtechnik GmbH (HBM)

The objective of the Symposium on Structural Durability in Darmstadt (SoSDiD) is to present the current state of the art to the national and international fatigue community. Contributions have been gathered from German and international experts as well as Darmstadt research work in structural durability. The symposium is intended to supply a lively forum for discussing basic questions and current trends, bringing together scientists and engineers working in this field.

In order to pay tribute to the founders of the Darmstadt structural durability tradition the sessions have been titled: *Kurt Klöppel*, *Ernst Gassner* and *August Thum* sessions. According to their main research focus, lectures predominantly dealing with materials mechanics are considered in the *Klöppel*-session, those dealing with variable amplitude loading in engineering structures are grouped in the *Gassner*-session and the *Thum*-session is concerned with the material science and technology related aspects of structural durability.

#### Awards:

The Instron Structural Testing Systems GmbH and the Hottinger Baldwin Messtechnik GmbH (HBM) will present awards for outstanding activities structural durability among Darmstadt's young engineers and scientists.

#### Exhibition:

Leading manufacturers of testing equipment will inform about structural and materials testing systems.

#### Advisory Board:

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