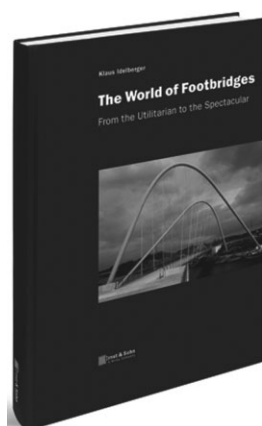


This volume focuses on heat, air, moisture transfer and its usage in building engineering applications.

–CBE1412–
Press release

The World of Footbridges – From the Utilitarian to the Spectacular, *Klaus Idelberger*, 183 pages, 351 figures, publisher Ernst & Sohn, Berlin, 2011, 50 €, ISBN: 978-3-433-02943-5



Bridges, not related to the motorized traffic, are mainly not that strong in the focus of the public. However, one can find a lot of architectural masterpieces, enriching the town- or landscape and providing a wide field of activities for architects.

With meticulous and diligent work the author collected 85 open pedestrian and cycle bridges, utility bridges and skywalks. The collection is structured by the load bearing systems and consists of 5 chapters on suspension bridges, cable-stayed and bar-stayed girder bridges, girder bridges, arch bridges as well as enclosed skywalks.

The sites covered spread from Europe (Germany, Switzerland, Italy, France, Norway, Cyprus, UK) to Asia (Malaysia, Singapore, Hong Kong, Japan) and Australia.

Depending on the available material the structures are described sometimes more sometimes less detailed regarding their system and location. In any case the pictures, partly taken by the author himself, are impressive. Giving historic and detailed descriptions, this book provides a compressed source of information about each bridge.

Background information, describing why some architect has chosen the solution finally selected, contribute to a relaxed reading style. In this connection the size of the client's dog might play an important role.

Even if one is not really working in the field of architecture or bridge engineering, this publication is an enrichment for the bookshelf of lovers of architectural well designed structures. It provides a great collection of treasures of bridge construction art in our world.

The English translation of the already in German published book extends the readership for this useful work to the whole world.

–CBE1512–
Ralph Bäßler

Conferences

Intelligent Materials

September 23–27, 2013, Kiel (Germany)

Intelligent materials with integrated functionalities are required to make devices more energy efficient, autonomous, self-responding, switchable, biocompatible, and anti-bacterial. They are also integrated into novel sensor and actuator devices with significantly increased sensitivity. Such intelligent materials typically have a complex internal structure: They can be composites from different material classes like multiferroics.

They might be nanostructured or hierarchically built-up, they could be bio-inspired and possess functional elements ranging from single molecules to the macro-scale. All those materials and their design and development has to be accompanied by high-resolution analytical tools that are able to characterize the materials on all scales and, moreover, to track and reveal their function-structure relations in situ.

The symposium will bring together experts in the field of intelligent materials in order to present and discuss recent developments and detect future trends. The symposium will be a forum to get in contact with international key researchers and stimulate new collaborations for developing novel intelligent material sys-

tems, characterizing their functionality from molecular mechanisms to applications.

Call for Abstracts

The organisers invite prospective authors to submit an abstract relating to the conference topics. Abstracts should not exceed 300 words in length and should be submitted through the conference website.

The abstracts will be evaluated, and if accepted, the authors will be informed about the kind of presentation (oral or poster). Especially young scientists are very welcome to actively contribute to the conference by submitting an abstract.

Topics

Topics addressed in this symposium will include, but are not limited to:

- New intelligent materials (Smart materials, Multiferroics, Multifunctional composites, Biofunctional materials, Bio-inspired materials, Switchable molecules and surfaces)
- Microstructural characterization of intelligent materials and correlation with their functional properties
- Theory and modeling of intelligent materials on different scales
- Applications of intelligent materials (Integration into MEMS and NEMS, Medical devices, Biosensors, Energy harvesting, Information technology)

For more information, please contact:
Conference Organisation: Conventus Congressmanagement & Marketing GmbH, *Anja Kreutzmann*, Carl-Pulfrich-Straße 1, 07745 Jena, Germany, Tel.: +49 3641 311 63 57, Fax: +49 3641 311 62 43 www.intelligent-materials.de

–CCE2712–

13th International Conference on Plasma Surface Engineering – PSE 2012

September 10–14, 2012, Garmisch-Partenkirchen (Germany)

The biennial PSE conference series is organized by the European Joint Committee on Plasma and Ion Surface Engineering.

With a continuously growing interest in the preceding PSE events, with more than 700 participants from all over the