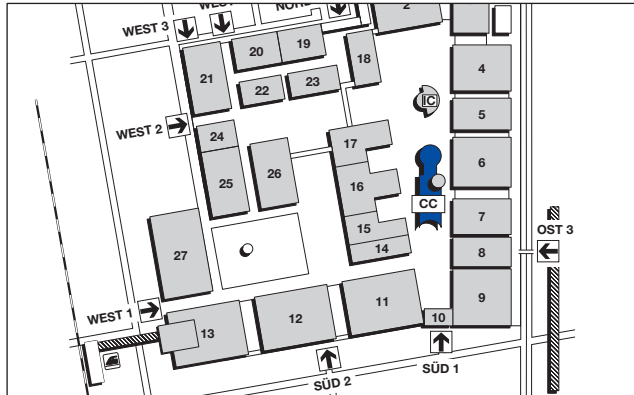


VENUE:

Messe Hannover, ConventionCenter (CC) Halls 3A + 3B



Registration is binding. Cancellation without charge is possible at the latest 14 days before the event. The participation fee will be due to the full amount on later cancellations or non-attendance.

PARTICIPATION FEE:

After sending in your application you will receive confirmation in the form of an invoice. We request that you transfer the participation fee of EUR 195.00 (EMO exhibitors EUR 125.00) to the following bank account (participants from other countries than Germany can also pay by credit card during the registration times at the exhibition grounds; cash payment is not possible):

BHF Bank Frankfurt
A/C No. 300 020 289, Bank Sorting Code 500 202 00
SWIFT BHF BDEFF, IBAN DE 05 5002 0200 0300 0202 89
Reference "EMO-Symposium"

THE PARTICIPATION FEE INCLUDES:

Day tickets for accessing the trade fair premises (dispatched about one week before the event), participation in the symposium, conference documentation, drinks during breaks, and an afternoon snack.

FURTHER INFORMATION:

Torsten Bell
German Machine Tool Builders' Association (VDW)
Corneliusstr. 4, D-60325 Frankfurt/Main, Germany
Tel. +49 69 756081-15, t.bell@vdw.de

PLEASE RETURN TO:

VDW
Torsten Bell
Corneliusstr. 4
D-60325 Frankfurt/Main, GERMANY
Fax +49 69 756081-11

Symposium:
INTELLIGENT LIGHTWEIGHT DESIGN
Challenge for future manufacturing solutions

I wish to attend on 18 September 2007
(please mark with a cross):

- visitor to the fair / symposium participant (EUR 195.00)
- exhibitor at EMO Hannover 2007 (EUR 125.00)

Name

First name

Company / institute

Street

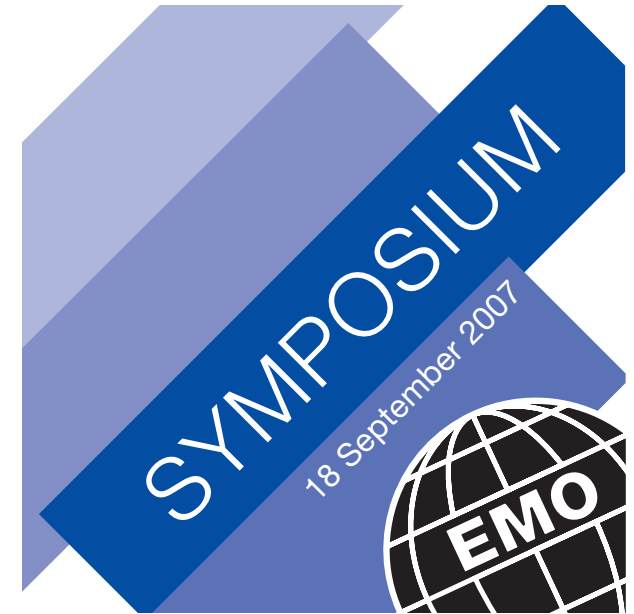
Postal code / city

Telephone

E-mail

City / date

Signature



**INTELLIGENT
LIGHTWEIGHT DESIGN**
Challenge for future manufacturing
solutions

TRANSFORMED LIGHTWEIGHT DESIGN CONCEPTS DEMAND CONVINCING PRODUCTION SOLUTIONS

Wherever masses require to be moved or accelerated, such as in road and air transport or, frequently, in mechanical and plant engineering, lightweight design concepts play a significant role. In order to achieve weight reduction in the widest possible sense, discussions nowadays are often geared towards functionally integrated lightweight design. And the subject is also beginning to make inroads into sectors that were previously foreign to it, largely on account of the growing scarcity and thus increased cost of raw materials.

But lightweight design is more than just what the name suggests. Where up to some years ago just mere saving of materials was in demand, today developments in modern materials and in innovative jointing and bonding concepts are available, plus highly integrated composite and modular construction methods. In order to do justice to these in terms of manufacturing technology too – from prototypes, remodelling and forming, machining and cutting, all the way to jointing and assembly technologies – production solutions are required that meet up to the demands.

The symposium will give an overview of the current development status for modern lightweight design concepts and from this it will derive demands for future-oriented production methods. At the same time, examples and developments from all sectors in manufacturing technology will be highlighted, so as to do justice to these requirements both practically and economically.

People specifically addressed will be experts from the manufacturing and user sectors, who are involved with planning and realisation right up to production implementation of lightweight design concepts of every kind. The symposium will offer the opportunity to obtain comprehensive information on current developments and to exchange experience gained in their practical application.

17 September 2007

16:00 EARLY REGISTRATION (optional)
-18:00 ConventionCenter, foyer between halls 3A and 3B

18 September 2007

09:00 REGISTRATION OF PARTICIPANTS

SYMPOSIUM PRESENTED BY:

Inka Schneider

TV Presenter and Journalist, Hamburg

10:00 PRODUCTION TECHNOLOGY AND
LIGHTWEIGHT DESIGN

Prof. Matthias Kleiner

President of the German Research Foundation (DFG),
Bonn

10:30 LIGHTWEIGHT DESIGN IN PRODUCT LINES –
A CHALLENGE FOR CONSTRUCTION AND
PRODUCTION

Dr. Markus Pfestorf

Manager of body-in-white materials, BMW AG, Munich

11:00 NEW MATERIALS AND PROCESSES FOR
THE OPTIMISATION OF COMBUSTION ENGINES

Prof. Dirk Biermann

Managing Director of the Department of Machining
Technology (ISF), University of Dortmund
Christian Schlüter

Developer of combustion engines,
Dr. SCHRICK GmbH, Remscheid

11:30 BREAK

11:45 ADVANCED MANUFACTURING TECHNOLOGY FOR
SUPER LIGHTWEIGHT JET ENGINES

Dr. Erich Steinhardt

Senior Vice President Technology,
MTU Aero Engines GmbH, Munich

12:15 LIGHTWEIGHT DRIVE SOLUTIONS FOR
THE ENGINEERING INDUSTRY

Ekrem Sirman

Executive Vice-President Sales & Design/Development,
Harmonic Drive AG, Limburg an der Lahn

12:45 AFTERNOON BREAK

13:45 FASCINATION SHEET METAL –
AN EASY WAY FOR INNOVATIONS

Friedrich Kilian

Executive Vice President Research and Development,
TRUMPF Werkzeugmaschinen GmbH, Ditzingen

14:15 SPECIAL SUBJECT LIGHTWEIGHT DESIGN:
DEVELOPMENT AND CONSTRUCTION
OF MILLING TOOLS

Dr. Oliver Gerent

Director Research and Development,
Prof. Diethard Thomas
Director LMT Academy,
FETTE GmbH, Schwarzenbek

14:45 LIGHTWEIGHT STRUCTURES WITH INTEGRATED
FUNCTIONS BY INNOVATIVE TEXTILE-REINFORCED
COMPOSITES

Prof. Werner Hufenbach

Managing Director of the Institute of Lightweight
Structures and Polymer Technology (ILK),
University of Dresden

15:15 BREAK

15:30 INTELLIGENT LIGHTWEIGHT CONSTRUCTION
BY APPROPRIATE FASTENING TECHNOLOGIES –
PRESENTATION OF MECHANICAL FASTENING
SYSTEMS

Dr. Carsten Bye

Responsible for Mechanical Fastening Technology,
GEBR. TITGEMEYER GmbH, Osnabrück

16:00 100 NEW SHEET FORMING PROCESSES

Prof. Julian M. Allwood

Fellow and Director of Gonville and Caius College,
University of Cambridge

16:30 End of symposium with option to visit the exhibition
grounds