

Benefit now from our special offer:

“EARLY BIRD“ - for registration until 9th March you only pay € 250 (net) per person.

INTERNATIONAL SEMINAR

Joining plastic and metal materials – special focus on lightweight design

Date: 05. - 06. June 2018

This two-day seminar was developed to give engineers and other technical personnel current specifications for, and a better understanding of, the complexities of mechanical joining with fasteners. This seminar will give an overview of the main technical interrelations for direct assemblies into thermoplastic, thermoset as well as steel, aluminum and magnesium materials. The seminar deals with the most important characteristics of these materials under special consideration of different processes during direct assembly such as material flow, relaxation, stress crack formation etc. With regard to the topic lightweight construction, our specialists will also present best practices and potentials for saving weight and costs through consequent application of the materials presented.

There will be an introduction into mechanical processes such as:

- Measurement methods for installation and tightening torques
- Static and dynamic loads
- Prognosis programs for direct assembly into plastic and metal materials
- Savings potential through cold forming processes

This seminar incorporates the most recent techniques and guidelines for the construction of joints and their periphery and provides attendees with immediately applicable knowledge. Prognosis programs for the pre-dimensioning of joints in thermoplastic and light material will also be presented. In the EJOT APPLITEC calculator-supported test benches are introduced for the interpretation of direct assembly. A tour at one of the most modern production facilities for fasteners and cold forming processes as well as engineered plastic components will be an important component of the seminar.

Seminar fee:

The seminar fee will be € 320 (net) per person. The overnight stay and all meals defined in the agenda are included. The invoice will be sent upon confirmation of your attendance. Please transfer the amount at least 14 days prior to the event. Please note that places are limited. Registration deadline is **13th April 2018**.

In case of any questions please contact:

Christa Dickel

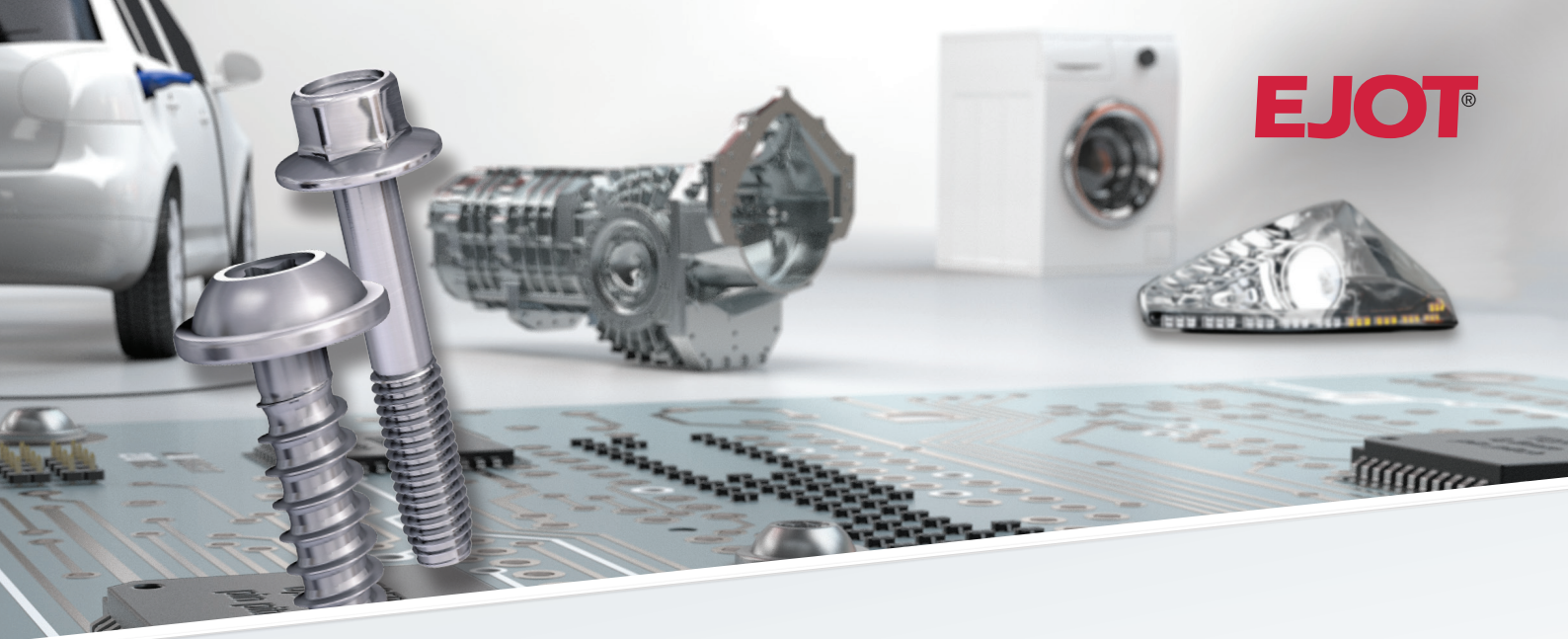
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Hotel and location for the Seminar:

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Agenda:

Tuesday, 5th June 2018

- 09.30 h Welcome and presentation of the EJOT Group
- 10.00 h Ingo Kraußner*
Introduction to the basics of direct assembly – wording, parameter, fastening technology
- 10.45 h Torsten Lückel*
Opportunities and limitations of cold forming – basics, technical possibilities, processes and best practices
- 11.45 h Business-Lunch at Hotel OVERSUM
- 13.00 h Bus-transfer to plant “Herrenwiese“, Bad Berleburg
- 13.30 h Factory tour at plant “Herrenwiese“
Production, logistics and EJOCLEAN® Center
- 15.00 h Bus-transfer to EJOT APPLITEC, Bad Berleburg
- 15.15 h Test Laboratory EJOT APPLITEC
Presentation of the possibilities
- 15.45 h Coffee break at EJOT APPLITEC
- 16.00 h Bus-transfer to plant “Berghausen“
- 16.15 h Factory tour at plant “Berghausen“
Plastics production and assembly area
- 17.15 h Bus-transfer back to conference hotel, Winterberg
- 18.00 h Arrival at the conference hotel, end of presentations and plant tours
- 19.30 h Business-Dinner and Get-Together at Hotel OVERSUM

Wednesday, 6th June 2018

- 08.30 h Frank Schlosser*
Direct fastening in light alloy and other non-ferrous metals – Thread-forming of high strength screw joints in Aluminum, Magnesium and Zinc
- 09.30 h PD Dr.-Ing. habil. Dipl.-Phys. Ralph Hellmig*
duoHARDtip® – Innovative direct assembly into high strength materials
- 10.00 h Coffee break + Check-out
- 10.45 h Dipl.-Ing. Michael Amos*
Fastening of thermoplastic and thermoset materials
- 11.45 h Business-Lunch at Landhotel Doerr
- 13.00 h Dipl.-Wirt.-Inf. Rene Gerber*
Calculation and pre-dimensioning of self-tapping joints
- 13.45 h N.N.*
Engineered plastic components - Development and production of functional plastic parts with integrated contacts (INSERTMOLDING)
- 14.15 h Coffee break
- 14.30 h Dipl.-Ing. (FH) Sebastian Schrodtt*
EJOWELD® friction welding with a friction element – Innovative joining technology for composite – and lightweight designs in automotive applications
- 15.15 h Dipl.-Ing. Michael Amos*
Innovative joints for thin metal sheets of Steel and Aluminum – cost reduction, potentials
- 16.15 h Final discussion
- 16.45 h End of Seminar – EJOT wishes you a pleasant and safe journey home.