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"EARLY BIRD" - for registration until 3rd May 2019
you only pay € 295 (net) per person.

INTERNATIONAL SEMINAR

Joining plastic and metal materials – special focus on lightweight design

Date: 25. - 26. June 2019

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 € 375 (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 **15th May 2019**.

In case of any questions please contact:

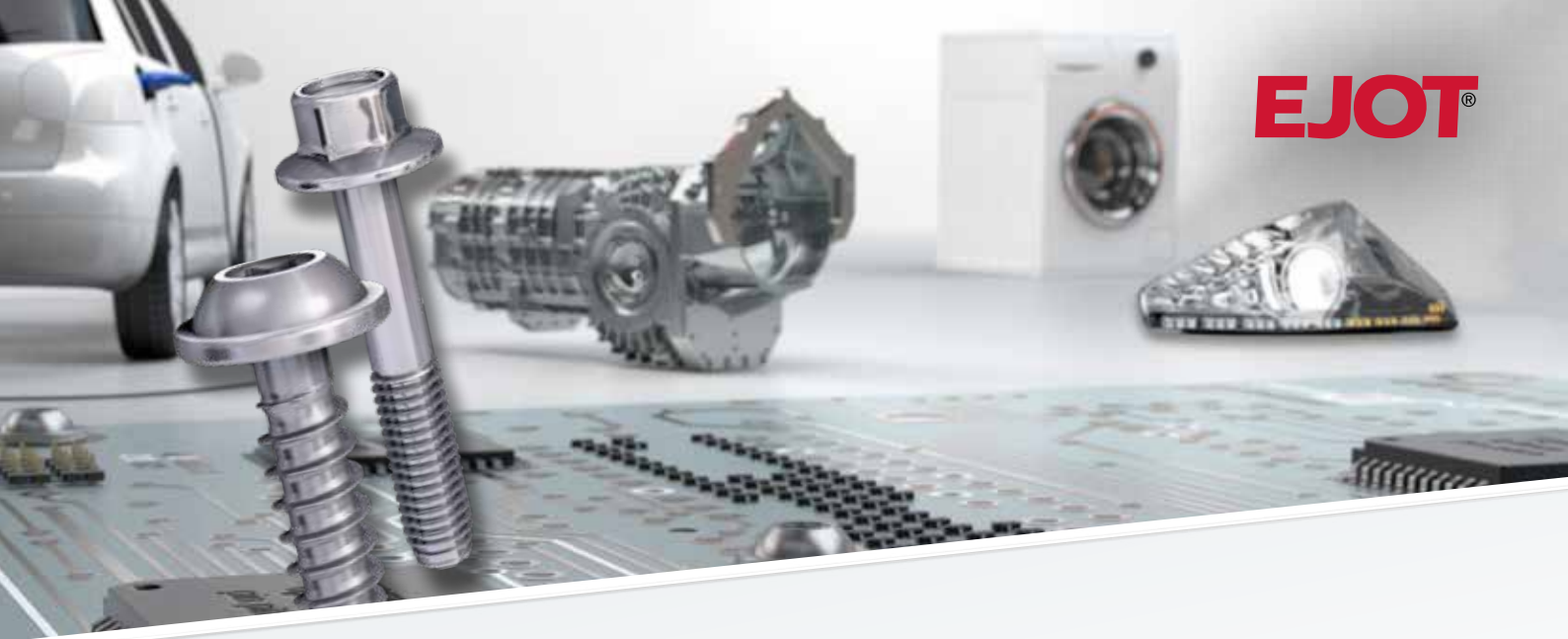
Kerstin Spittel
Telephone +49 2751 529-767, Telefax +49 2751 529-98 767, e-mail: kspittel@ejot.com

Hotel and location for the Seminar:

Landhotel Doerr
Sieg-Lahnstraße 8 - 10
D-57334 Bad Laasphe-Feudingingen,
GERMANY
Telephone +49 2754 370-0
Telefax +49 2754 370-100

Organization:

EJOT GmbH & Co. KG
Industrial Division
Im Herrengarten 1
57319 Bad Berleburg, GERMANY
Telephone +49 2751 529-0
Telefax +49 2751 529-559
e-mail industrie@ejot.com
Internet www.ejot.com/industry



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Agenda:

Tuesday, 25th June 2019

- 09.30 h Welcome and presentation of the EJOT Group
 10.00 h Ingo Kraußer*
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 Landhotel Doerr
 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, Bad Laasphe-Feudingen
 17.45 h Arrival at the conference hotel, end of presentations and plant tours
 19.30 h Business-Dinner and Get-Together at Landhotel Doerr

Wednesday, 26th June 2019

- 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 Markus Fischer*
Engineered plastic components - Development and production of functional plastic parts with integrated contacts (INSERTMOLDING)
 14.15 h Coffee break
 14.30 h Sebastian Hähnlein*
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.