

6th Dresden Tire Workshop:

TIRE TECHNOLOGY FOR FUEL EFFICIENCY

April 24, 2015

Fuel efficiency constantly gains importance in tire design. Driven by legislation, labeling and striving for a more sustainable individual future mobility, fuel efficiency becomes the critical factor in tire technology. This ongoing development process has triggered innovations in materials, tire-vehicle interaction, testing and simulation, which will be presented at the 6th Dresden Tire Workshop. This successful series of workshops addresses experts in research, development, management, manufacturing and education in order to discuss innovative approaches and perspectives. At the Get-Together-Event in the evening of April, 23rd all participants are invited to have stimulating discussions in a relaxed atmosphere and to establish business relationships. The event will be held in English according to the international composition of the group of participants.

CHAIRMEN



Prof. Dr.-Ing. habil. Michael Kaliske
Institute for Structural Analysis,
TU Dresden



Prof. Dr.-Ing. Günther Prokop
Institute for Automotive Technologies
Dresden, TU Dresden



Prof. Dr. rer. nat. habil. Gert Heinrich
Leibniz-Institute of Polymer Research
Dresden e. V. / TU Dresden

April 24, 2015

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| 8:30 | Opening |
| 8:45-9:15 | Dr. Christian Strübel <i>Continental Tire Germany GmbH, Hanover</i> Rolling resistance improvement for passenger car tires with respect to target conflicts |
| 9:15-9:45 | Dr. Luc Goubert <i>Belgian Road Research Centre, Brussels</i> LORRY: A holistic approach for fuel-efficient truck tires |
| 9:45 | Coffee break |
| 10:15-10:45 | Prof. Dr.-Ing. habil. Michael Kaliske <i>Institute for Structural Analysis, TU Dresden</i> Thermomechanical simulation of tires based on tire-pavement coupling |
| 10:45-11:15 | Dipl.-Ing. Axel Bindauf <i>Chair of Automotive Engineering, TU Dresden</i> A method of investigation for analysing comfort characteristics of 'eco' tires |
| 11:15 | Lunch break |
| 12:15-12:45 | Lionel Rodriguez <i>Kumho Tire European Technical Center, Mörfelden-Walldorf</i> The reduction of the tire's rolling resistance considering different global requirements and its impact on product complexity |
| 12:45-13:15 | Associate Prof. Dipl.-Ing. Dr. techn. Bernhard Pichler <i>Institute for Mechanics of Materials and Structures, TU Wien</i> Using a linear friction tester for characterization of friction between tire tread blocks and snow / ice / concrete / asphalt |

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| 13:15 | Coffee break |
| 13:45-14:15 | Dipl.-Ing. Axel Wildgrube <i>Goodyear Dunlop Tires Germany GmbH, Hanau</i> CO2 reduction – challenges in tire design |
| 14:15-14:45 | Dr.-Ing. Boris Lorenz <i>Peter Grünberg Institut, Forschungszentrum Jülich</i> Dipl.-Ing. Gaetano Fortunato <i>Bridgestone Technical Center Europe S.p.A., Rome</i> General theory of frictional heating with application to rubber friction |
| Ca. 15:00 | End of Workshop |

REGISTRATION DETAILS

All payments must be made in Euro and in advance to the bank account:

Bank: Commerzbank AG, Filiale Dresden
IBAN: DE52 8504 0000 0800 4004 00
Swift: COBADEFF850
Purpose: D-000089 1140901
Tire Workshop and Name of Participant

The Tire Workshop is a scientific event in the sense of §4 No. 22a UStG. Therefore, the registration fee does not include VAT.

REGISTRATION

for 6th Dresden Tire Workshop:
Tire Technology for Fuel Efficiency
April 24, 2015

Please return latest by April 10, 2015.

Price: 150,00 €

(includes coffee breaks, lunch and Get-Together-Event (**GTE**)
on April 23, 2015 at 7 p.m. at Feldschlößchen Stammhaus -
Budapester Straße 32, 01069 Dresden)

- paid in cash on site
 paid upon receipt of an invoice

(Please see the bank account details at the back of this page.)

- Participation Get together event

.....
Title First Name Surname

.....
Affiliation

.....
Address

.....
Phone Fax

.....
E-mail

.....
Date Signature

CONTACT

Katrin Fischer-Petzsch *katrin.fischer@tu-dresden.de*
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Fax +49 351 46337 086

REGISTRATION

For registration please fill in and fax the enclosed form or
send an e-mail. Fees include coffee breaks, lunch and Get-
Together-Event.

VENUE

Leibniz-Institut für Polymerforschung Dresden e. V. - **IPF**
Conference hall, 2nd floor
Hohe Straße 6, 01069 Dresden

HOW TO GET TO THE INSTITUTE?

See also the map of the area inside this brochure.

...by train

The institute is quite near the railway station Dresden-
Hauptbahnhof. Leave the railway station to the right and fol-
low "Bayrische Straße" and "Hohe Straße".

...by airplane

Take the suburban train to Dresden-Hauptbahnhof (dura-
tion about 25 minutes, departures every 30 minutes). Leave
the railway station to the right and follow "Bayrische Straße"
and "Hohe Straße".



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**DRESDEN
concept**
Exzellenz aus
Wissenschaft
und Kultur