

23 / 11 / 2017

GUMFERENCE

Gumference 2017 – seminar of joint Czech-Bavarian research project no. 8E15B007

Topic:

„Rubber aging phenomena“

Programme:

Registration 8:00 – 9:00

Opening words 9:00 – 9:15 Prof. Vladimír Sedlářík,
Director of Centre of polymer systems

Poster session will be arranged during the complete seminar in the foyer of CPS

1st Session – Plenary lecture

9:15 – 10:00 Prof. Alexander Lion:
A model to describe the crystallisation of rubber under strain and temperature
(Universität der Bundeswehr München)

2nd Session – Research session

10:00 – 10:30 Dr.-Ing. Michael Johlitz:
How to determine ageing of polymers? Basics, experimental methods and modelling approaches
(Universität der Bundeswehr München)

10:30 – 11:00 Dr.-Ing. Radek Stoček:
Ageing influence on the Intrinsic Strength of Natural Rubber / Butadiene Rubber Blends
(Centre of polymer systems)

Coffee break 11:00 - 11:30

3rd Session – Industrial session

11:30 – 12:00 Ing. Zdeno Plevák:
Influence of thermal degradation of butyl rubber compound (Continental A.G.)

12:00 – 12:30 Ing. Jana Voldánová:
The dynamic ageing of vulcanizates – DMA method vs. Crack growth rate (Trelleborg)

Lunch break 12:30 - 13:30

4rd Session – Research session

13:30 – 14:00 Dr.-Ing. Katrin Reincke:
Influence of antioxidant type on the thermo-oxidative aging of rubber vulcanizates
(Martin Luther University Halle-Wittenberg)

14:00 – 14:30 Dr.-Ing. Ronny Behnke:
Thermo-mechanical analysis of steady state rolling tires with respect to thermal damage
(TU Dresden)

14:30 – 15:00 Prof. Vratislav Ducháček:
Chemical aspects of thermomechanical degradation of rubbers (VŠCHT Praha)

Poster session incl. coffee break 15:00 – 15:45

Pannel discussion 15:45 – 16:15

Closing words 16:15 – 16:20

Tour in to the laboratory of CPS 16:30 – 17:00