



Mixing of Rubber Compounds

April 15, 2026

April 16, 2026

April 18, 2026

12:45 **LUNCH - Venue ("Hotel zur Altstadt")**

13:45 **Welcome and Introduction**
Prof. Dr.-Ing. Andreas Limper

14:00 **Definition of the mixing task / preparation of the raw materials**
Dr. Thomas Früh
ARLANXEO Deutschland GmbH

14:20 **Configuration of mixers Mixing room equipment**
Karsten Fischer, HF Group

15:10 **COFFEE BREAK**

15:25 **Process engineering processes in the mixer**
Definition of mixing phases
Prof. Dr.-Ing. Andreas Limper
Influence of material-/operating parameters on the compound quality, Optimisation of the mixing procedure by different process sequences

16:25 **Rubber-dependent features in the internal mixer process**
Dr. Thomas Früh
ARLANXEO Deutschland GmbH

17:15 **Dispersion of fillers**
Dr. Harald Geisler

17:45 **END OF THE PROGRAM**

20:00 **SOCIAL EVENING**
together with the participants of the german workshop ("Hotel zur Altstadt")

08:30 on- foot transfer to the lab of Harburg-Feudenberger Maschinenbau GmbH

09:00 **Practical tests** will be run on the laboratory mixer GK 4 N and analysis of the test results

12:30 on- foot transfer to the hotel

12:45 **LUNCH - Venue ("Hotel zur Altstadt")**

14:00 **Resumee of the Test Results**
Prof. Dr.-Ing. Andreas Limper

14:30 **Automation of the mixing process**
Dr. Markus Hesse, HF Group

15:10 **Internal Mixer – a Reaction Vessel**
André Wehmeier, Evonik Operations GmbH
Production of silica compounds – process parameters determining the silica-silane reaction

16:00 **COFFEE BREAK**

16:20 **Aspects of complete mixer lines**
Dr. Wolfgang Loreth,
KRAIBURG Austria GmbH & Co. KG

17:00 **Compound testing**
Dr. Harald Geisler

17:45 **END OF THE PROGRAM**

20:00 **DINNER ("Hotel zur Altstadt")**

08:30 on- foot transfer to the lab of Harburg-Feudenberger Maschinenbau GmbH

09:00 **Practical tests** will be run on the laboratory mixer GK 5 E and analysis of the test results

12:30 **FINAL DISCUSSION**

13:00 **END OF THE WORKSHOP**