



Veranstungskalender 2016

Fortbildungskurse Kautschuktechnologie für Einsteiger

26. - 28.01.2016	Kautschuktechnologie für Einsteiger
23. - 25.02.2016	Kautschuktechnologie für Einsteiger
12. - 14.04.2016	Kautschuktechnologie für Einsteiger
06. - 08.09.2016	Kautschuktechnologie für Einsteiger
13. - 15.12.2016	Kautschuktechnologie für Einsteiger

Kurse des modularen Fortbildungssystems

09. - 13.05.2016	Rohstoffe
23. - 25.05.2016	Verarbeitung
21. - 23.06.2016	Eigenschaften

Fachseminare

11.02.2016	Oberflächenmodifizierung durch Plasma (DIK)
01. - 02.03.2016	Extrusion - Grundlagen & Praxis (DIK/DKG)
06. - 07.04.2016	Mischraumseminar - Teil 1 (DIK)
11. - 12.05.2016	Herstellung von Kautschukmischungen (DIK/DKG)
12. - 13.09.2016	Spritzgießen von Elastomeren (DIK/DKG)
14. - 15.09.2016	Mischraumseminar - Teil 2 (DIK)
29. - 30.11.2016	TPE - Grundlagen & Praxis (DIK/DKG)

Calendar of International Events 2016

Special Seminar

May	11 - 13, 2016	Mixing of Rubber Compounds (DIK/DKG)
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Conferences

April	14 - 15, 2016	Lifetime - Simulation
November	03 - 04, 2016	Surfaces, Interfaces and Friction of Elastomers
December	01 - 02, 2016	Environmental Aspects and Sustainability
December	15 - 16, 2016	Modern Elastomer- and Material Analysis

12th Fall Rubber Colloquium November 22 - 24, 2016

Organizer

Deutsches Institut für Kautschuktechnologie e. V.
Prof. Dr. Ulrich Giese (Institutsleitung)
Eupener Straße 33, 30519 Hannover

Deutsche Kautschuk-Gesellschaft e. V.
Dipl.-Ing. Boris Engelhardt (Geschäftsführer)
Postfach 90 03 60, 60443 Frankfurt

Contact person

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Participation Fee

- Members of DIK or DKG € 900,--
- Nonmembers € 1.010,--
- Three or more employees from same nonmember € 940,--

For reservations up to March 11, 2016, you get 10% discount on the participation fee.

Please note the time schedule, the english seminar is parallel but starts asynchron to the german seminar.

The fee include the conference proceedings, refreshments during the official coffee breaks, lunches and the social evening.

Registration

For your convenience, a course registration form is available at our website. The number of participants is limited, so it is advisable to register early. Registration deadline is two weeks before the start of the conference.

www.dikautschuk.de

Cancellation

Cancellations must be in writing. A fee of € 100,-- is withheld for cancellation up to fifteen days prior to the beginning of the seminar. In the event of cancellation less than fifteen days prior to the beginning of the seminar, the full participation fee is due. It is, however, possible to name a substitute participant.

Workshop Venue:

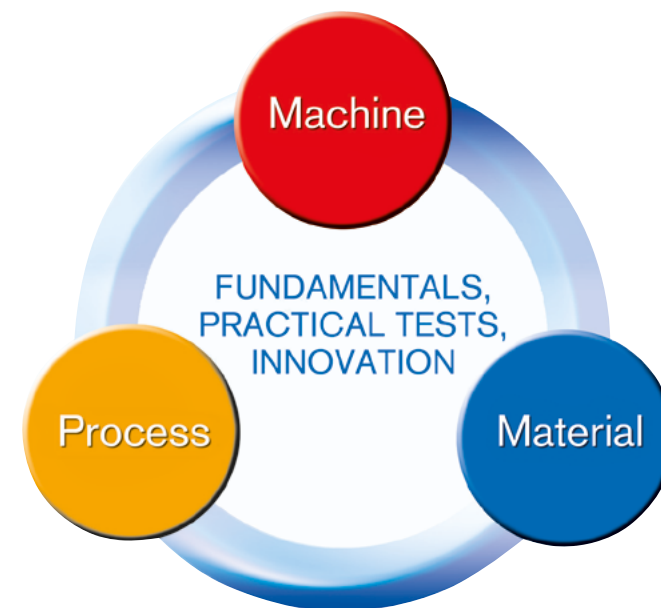
Hotel „Zur Altstadt“, Oranienstr. 41, 57258 Freudenberg
On our website you will find directions on how to get to Hotel „Zur Altstadt“ including a route planner and Hotel Recommendations.

DKG | Deutsche Kautschuk-Gesellschaft e.V.



MIXING OF RUBBER COMPOUNDS

May 11 - 13, 2016
Freudenberg (Germany)



Objective

Efficient mixing is of paramount importance for processing rubber compounds. Any shortcomings in this stage of process, such as poorly dispersed additives or divergent performances when blending and processing, often fall to be detected by downstream mixing checks. This results in an unacceptable level of rejects in downstream processing stages and in final products. The mixing process, therefore, needs to be optimized for greater economy in production. This involves both challenges of mechanical engineering and process technology. Nor should the impacts of raw materials be disregarded.

These topics will be covered comprehensively during the seminar using a combination of lectures on fundamentals and practical tests. These test runs will be as hands-on training to try out and intensify the theoretical knowledge acquired. In this way theoretical approaches can also be used to explain mixing problems helping to solve problems in day-to-day work. The objective of the seminar is to provide users at the mixer room with the necessary tools for designing mixing processes in an optimum way.

Target Group

The seminar focuses on experts as well as trainees in the field of compounding, processing, research and development of rubber materials.

Theoretical Seminar

Internal Mixer – Mechanical Engineering Aspects
Part I: Introduction/Basics

Dr.-Ing. Dieter Berkemeier
Harburg-Freudenberger Maschinenbau GmbH

Internal Mixer – Process Technology
Prof. Dr.-Ing. Andreas Limper
Harburg-Freudenberger Maschinenbau GmbH

Internal Mixer – a Reaction Vessel
André Wehmeier, Evonik Industries AG

Characteristics of Polymers Relating to the
Mixing Process in an Internal Mixer
Johannes Jennissen, Rado Gummi GmbH

Internal Mixer – Mechanical Engineering Aspects
Part I: Introduction/Basics
Dr.-Ing. Dieter Berkemeier
Harburg-Freudenberger Maschinenbau GmbH

Dispersion of Fillers
Dr. Harald Geisler
Deutsches Institut für Kautschuktechnologie e .V.

Compounding and its Impact
on Product Properties I
Dr.-Ing. Harald Keuter
Harburg-Freudenberger Maschinenbau GmbH

Compounding and its Impact
on Product Properties II
Dr.-Ing. Peter Ryzko
Freudenberg Forschungsdienste SE & Co. KG

Practical Seminar with mixing tests with the following contents

Practical tests at Laboratory internal mixer
GK 4 N / GK 5 E
Determination of the mixing properties
Evaluation of the temptation Results
and Discussion

Head of the seminar

Prof. Dr.-Ing. Andreas Limper
Harburg-Freudenberger Maschinenbau GmbH,
Freudenberg

