Training Computational Design of Rubber Products

ERT bv, a Dutch research- and test laboratory for rubber, organises a two-day course about computational design of rubber products in collaboration with ERIKS company Maagtechnic and the Zurich University of Applied Sciences.

The course will be given on 29 and 30 January 2015 at the Zurich University of Applied Sciences in Winterthur, Switzerland.

Contents

- Rubber materials and rubber behaviour
- Introduction to nonlinear elastic deformations
- Rubber material models for computational analysis
- Introduction to physical testing of rubber
- Uniaxial tension tests of rubber materials
- Damage and dissipation in rubber materials
- Fitting material to nonlinear test data
- Testing of fatigue (damage), friction, viscoelasticity

Notes

- All lectures will be given in English
- Seminar comprises lectures and lab sessions

Who benefits from these lectures?

- Design engineers for rubber components and systems
- Rubber chemists and rubber technologists
- Product and material engineers

Speakers

- Dr.-Ing. Robert Eberlein (ZHAW)
- Dr. Ir. Kuno Dijkhuis (ERT bv)
- Jan van Kranenburg (ERTbv )

Location

Zurich University of Applied Sciences
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Click here for more information or to register for the training Computational Design of Rubber Products.