

# TECHNICAL UNIVERSITY OF BERLIN

Faculty V – Traffic and Machinery Systems - Institute of Mechanics



Dynamics of the FG system  
and physics of friction

Prof. V. Popov

[www.reibungsphysik.de](http://www.reibungsphysik.de)

## SS Course 2024 Announcement

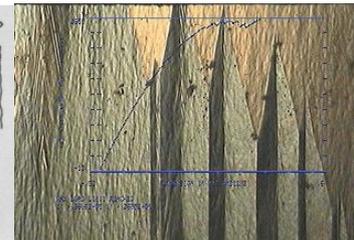
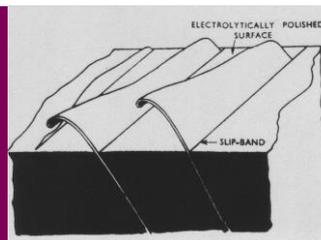
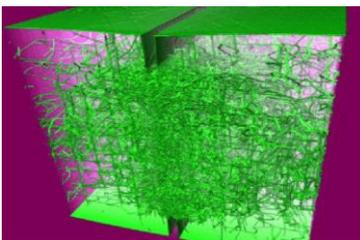
0530 L 356 4 SWS (2VL+2UE)

# Materials theory Samarkand, Uzbekistan

In connection with the cooperation agreement signed between the Technical University of Berlin and Samarkand State University in February 2023, a compact course “Theory of Materials” (4 SWS credits, 6 ECTS credits) will be held in Samarkand **from August 31 to September 29, 2024.**



The Theory of Materials event provides an understanding of the physical principles of three selected groups of materials (metals, shape memory alloys, elastomers) with qualitatively different mechanisms of deformation, dissipation and fracture. The goal is to develop the ability to qualitatively and quantitatively analyze the complex behavior of materials.



The course consists of lectures with exercises and lasts 3 weeks (5 days a week, 4 hours a day, 60 hours in total). At the end of the course, students can take exams in Samarkand or in Berlin. The course will be conducted during semester vacations in German. An experimental internship at the Institute of Technical Physics is planned for the course. Accommodation is in a modern student dormitory specially built for international students.

**Maximum number of participants - 30 people.**

**Registration deadline is February 29, 2024.**

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