

Advanced Mechanics: Structure, Materials, Tribology

Samarkand, 22.-26. September 2025

1st Announcement

Organizer: Prof. Valentin L. Popov and Prof. Askar Z. Khasanov

Venue: Samarkand State University

Language: English

Objectives: The Conference is devoted to interdisciplinary research of technical and biological systems considering the interrelation and interplay of their mechanical, tribological and material aspects. This includes mechanics of solids and materials science with applications in structural mechanics and tribology. Welcomed are works on analytical, numerical and experimental analysis. The goal of the conference is to review the recently established concepts, tools and research activities and to outline the most important tasks for the future.

Symposium 1

- *International Symposium on Contact Mechanics and Tribology*

Organizer: Valentin L. Popov (Germany), Ken Nakano (Japan), Daniele Dini (UK), Guoxin Xie (China)

Symposium 2

- *The Mechanics of Aerospace Materials*

Organizer: Alexander Korsunsky (UK)

Sections

- *Mechanics of a deformable solid body*
- *Materials Science*
- *Computational methods in mechanics*
- *History of mechanics*
- *Vibrations and vibration protection of mechanical systems*
- *Soil mechanics and geomechanics*

Form of presentation: Oral presentation and poster presentations. No online presentations are possible

Publication: Participants are encouraged to submit full papers for publication in *AiP Conference Proceedings*. The deadline for full paper submission is 01.10.2025

Abstract submission: Please submit an **abstract (not longer than one A4 page)** in English not later than **June 25, 2025** by e-mail: j.starcevic@tu-berlin.de AND eismoilov.samsu@gmail.com

Conference fee: 180,00 €

Program Committee

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|------------------------------|-----------------------------|-----------------------------|------------------------------|
| Valentin L. Popov (Germany) | Ken Nakano (Japan) | Daniele Dini (UK) | Guoxin Xie (China) |
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| Vladislav Aleshin (France) | Vladimir Skripnyak (Russia) | M. Mirsaidov (Uzbekistan) | O. Dusmatov (Uzbekistan) |
| Auezhan Amanov (Finland) | Mitjan Kalin (Slovenia) | | |

Contacts

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Conference web page: <https://amsmt2025.samdu.uz/>

Current information and updates are posted in the Telegram Channel https://t.me/workshop_samarkand

Highlights of the past conference in 2024: youtube: https://youtu.be/Xk8_Cit00lg, VK: https://vk.com/video638443519_456239025

TikTok: https://www.tiktok.com/@tu_berlin_2002/video/7425609189017357601?is_from_webapp=1&sender_device=pc&web_id=7400678004613367329

A longer version: <https://youtu.be/IF2any0XXEQ>