

SPARC-FUNDED WORKSHOP | 1–3 MARCH 2027

Adaptive and Tensegrity Robotics for Interplanetary Landers and Biomedical Devices

Led by visiting faculties from Germany and experts from India, this three-day workshop explores the fundamentals of adaptive, compliant tensegrity systems and their applications in biomedical devices and space landers.



HANDS-ON LABS Daily sessions on fabrication, form-finding, computational modelling and integrated case-study design for landers and medical devices.

SPEAKERS



Prof. Valter Böhm

OTH Regensburg, Germany



Prof. Detlef Kuhl

University of Kassel, Germany



Dr. Subhamoy Sen

SCENE, IIT Mandi



Dr. Himanshu Pathak

SMME, IIT Mandi



Prof. M. R. Sunny

Aerospace Engg., IIT Kharagpur

ORGANIZERS

WORKSHOP SCHEDULE

DAY 1 Monday, 1 March

Tensegrity fundamentals and robotics, biomedical applications, and hands-on development of tensegrity modules.

DAY 2 Tuesday, 2 March

Form-finding, computational modelling and civil engineering applications, with hands-on computational form-finding of tensegrity structures.

DAY 3 Wednesday, 3 March

Uncertainty and reliability assessment, tensegrity landers, integrated design case studies, and the future scope of tensegrity systems.

LOGISTICS & REGISTRATION

- Venue:** CCE, IIT Mandi
- Registration fee:**
Academia ₹ 5,900 & Industry ₹ 11,800 per delegate (Including GST)
- Included:** Food and hostel accommodation for the workshop days.
- Guest house:** Available on request at an additional cost, subject to availability. Please indicate your request on the registration form.



Registration Form Link
<https://forms.gle/c9YYa71u57iWi3tN8>



Fee Payment (UPI)
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IIT Mandi campus, Kamand Valley, Himachal Pradesh

