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

ORGANIZERS



Dr. Subhamoy Sen
SCENE, IIT Mandi



Dr. Himanshu Pathak
SMME, IIT Mandi



Prof. M. R. Sunny
Aerospace Engg., IIT Kharagpur

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 engineering applications, with hands-on form-finding of tensegrity structures.

DAY 3 Wednesday, 3 March
Uncertainty 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)
8290544445m@pnb







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