



Fibre-Optic Thermometry Workshop

An online workshop on fibre-optic thermometry is being held on the **27 August 2026**, from **13:00 – 16:00**. The scope is basic principles, calibration, and practical applications of fibre-optic thermometry. It is intended for those curious about the possibilities and challenges within the field. The workshop is organized within [INFOTherm](#) project.

Registration: To receive a link for the meeting, write an email to infotherm@ptb.de and provide the Name, Affiliation, Field of interest.

Agenda

1. Welcome and introduction to the INFOTherm project on fibre-optic thermometry
Stephan Krenek (PTB)
2. Long-range thermal monitoring of critical electrical infrastructure
Peter James Thomas (NORCE)
3. Temperature measurement in high voltage applications, where conductivity is detrimental
Per Olof Hedekvist (RISE)
4. Long-duration high-temperature monitoring of molten-salt energy storage using FBG sensors
Rasmus Degn (DTI)
5. DTS fibre sensors for monitoring molten salt energy storage at MOSA
Diego Araña (CEM)

Break

6. Traceability to the ITS-90 and long-term stability study of FBGs using a comparison block
Frédéric Bourson (CNAM)
7. Sapphire fibres for very high temperature sensing
René Eisermann (PTB)
8. Core-less fiber Fabry-Perot sensors for high temperature, high resolution applications
Simon Pevec (UM)
9. Distributed fibre high temperature sensing up to 500 °C
Xin Lu (BAM)
10. Closing remarks
Stephan Krenek (PTB)

