

# 4<sup>th</sup> International Symposium on Negative Thermal Expansion and Related Materials (ISNTE-4)

5-7 July 2023, Padua, Italy

The 4th International Symposium on Negative Thermal Expansion and Related Materials (ISNTE-4) is the fourth in a series of International Symposia which aim to bring together researchers from around the world interested in controlling and exploiting the properties of thermoresponsive materials.

Conference topics cover all aspects of negative thermal expansion (NTE) and of the control of thermal expansion, such as

- NTE phenomena of phonon, electronic and magnetic origin;
- NTE materials (oxides, fluorides, metal organic frameworks, intermetallics, organic molecular materials, polymers, meta materials, etc.);
- different strategies for controlling the thermal expansion of materials and related applications;
- more in general, thermoresponsive materials.

## Local Organizers

Prof. Andrea Sanson, University of Padua, Italy  
Dr. Alessandro Venier, University of Padua, Italy

## Scientific Committee

Prof. J. Paul Attfield, University of Edinburgh, UK  
Prof. Masaki Azuma, Tokyo Institute of Technology, Japan  
Prof. Jun Chen, University of Science and Technology, Beijing, China  
Prof. John S.O. Evans, University of Durham, UK  
Prof. Andrea Sanson, University of Padua, Italy  
Prof. Koshi Takenaka, Nagoya University, Japan  
Prof. Angus P. Wilkinson, Georgia Tech, USA  
Prof. Xianran Xing, University of Science and Technology, Beijing, China

<https://indico.dfa.unipd.it/e/isnte-4>