

4th 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
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