

Thermophysical Properties

21–26 June 2009, Boulder, Colorado, USA

This **Symposium on Thermophysical Properties** is the 17th symposium in the well-established series of conferences on thermophysical properties. The symposium—to be held 21–26 June 2009 in Boulder, Colorado, USA—is concerned with theoretical, experimental, simulation, and applied aspects of the thermophysical properties of gases, liquids, and solids, including biological systems. Conference topics include the following:

- Thermodynamic Properties, including equation of state, phase equilibria, p - V - T behavior, heat capacity, enthalpy, thermal expansion, sound speed, and critical phenomena
- Transport Properties, including thermal and electrical conductivity, viscosity, mass diffusion, thermal diffusion, non-Newtonian behavior, and thermal, thermoacoustic, and other diffusion waves
- Optical and Thermal Radiative Properties, including dielectric constant, refractive index, emissivity, reflectivity, and absorptivity
- Interfacial Properties, including solid-solid interfaces, surface tension, interfacial profiles, interfacial transport, and wetting
- Data Correlation, including data evaluation and prediction, standard reference data, databases, and storage and retrieval of thermophysical-property data



The 17th symposium will be held in conjunction with the 3rd IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants. Some sessions will be held jointly.

Abstracts for contributions to the Symposium are due electronically by 5 December 2008.

Please contact conference organizers at <symp17@boulder.nist.gov> for further information.

 <http://symp17.nist.gov/>

Functional Molecules from Natural Sources

6–8 July 2009
Magdalen College, Oxford, UK

Naturally occurring compounds have been, and continue to be, an important source of new leads and commercially successful products for various industrial sectors, notably pharmaceuticals and agrochemicals. The last decade has, however, seen many challenges as well as new opportunities for the industrial utilization of molecules from natural sources, including the birth of “neutraceuticals” and “cosmeceuticals.”

The **Functional Molecules from Natural Sources** conference, being organized by The Royal Society of Chemistry, follows two earlier successful meetings organized by the Biotechnology Group of Sussex in 1996 and at the University of St. Andrews in 1999. This conference, which will take place 6–8 July 2009 at Magdalen College in Oxford, UK, aims to highlight current trends, challenges, and successes in the exploitation of natural products.

The conference will be held in the historic setting of Magdalen College in the University of Oxford. It will address significant progress and future directions for natural products.

 [www.confsec.co.uk/conferences/Functional Mols 2009](http://www.confsec.co.uk/conferences/Functional%20Mols%202009)