

Announcement

9th Symposium on Thermophysical Properties Boulder, Colorado, U.S.A. June 24–27, 1985

The 9th Symposium on Thermophysical Properties, organized by the Committee on Thermophysical Properties of the Heat Transfer Division of the American Society of Mechanical Engineers, is concerned with theoretical, experimental, and applied aspects of thermophysical properties of matter in solid, liquid, and gaseous states. Some of the appropriate topics are:

- Thermodynamic properties, including heat capacity, enthalpy, thermal expansion, vapor pressure, surface tension, and other properties related to phase changes, *PVT*, and calorimetric studies.
- Transport properties, including thermal and electrical conductivity, thermal diffusivity, viscosity, and related properties.
- Thermal radiative properties, including emittance, absorptance, reflectance, and optical constants.
- New developments in experimental techniques.
- Reviews of current status of theory on thermophysical properties.
- Reports on reference materials and critical evaluation and standardization of techniques and procedures for thermophysical measurements.
- Reference data-correlation and evaluation techniques.

Papers are encouraged on properties and behavior of solids and liquids near phase transitions, including supercritical extraction; multiphase behavior, e.g., slurries, suspensions; experimental techniques and measurements at high temperatures and pressures; nonequilibrium behavior of materials: theory, experiment, non-Newtonian liquids, nonequilibrium thermodynamics; partially characterized or

ill-defined species, petroleum and coal liquids fraction, composites, polydisperse fluids; theory and properties of polar liquids, aqueous solutions; theory and properties of mixtures with very different components.

Abstracts will be due December 1, 1984. Papers from these abstracts will be reviewed and those accepted will be published in special issues of the *International Journal of Thermophysics*. A poster session will be considered. For further information contact:

Dr. H. J. M. Hanley
Chemical Engineering Science Division
National Bureau of Standards
Boulder, Colorado 80303, U.S.A.
Telephone: (303) 497-3320