

Announcement

1ST INTERNATIONAL WORKSHOP ON THERMOCHEMICAL, THERMODYNAMIC, AND TRANSPORT PROPERTIES OF HALOGENATED HYDROCARBONS AND MIXTURES

Pisa, Italy

December 15–18, 1999

This is the first of a series of workshops held under the auspices of the IUPAC, International Union of Pure and Applied Chemistry, Commission on Thermodynamics. The objective of this project is to increase our knowledge and understanding of thermodynamics and transport properties of halogenated organic compounds, especially halogenated aliphatic hydrocarbons, of their mixtures, and of mixtures with hydrocarbons. This has an important industrial application in the widespread use of these substances as solvents, refrigerants, blood substitutes, foam-blowing agents, fire extinguishers, insulation in high-voltage switches, and surfactants for extraction processes involving supercritical carbon dioxide.

The aims include the following.

- (1) To review available experimental data in order to point out data needs: thermodynamic data for pure fluids (density, speed of sound, vapor pressure, enthalpy difference, etc.) and for mixtures (density, speed of sound, VLE, LLE, excess properties, etc.), thermochemical data, and viscosity and thermal conductivity data for pure fluids and mixtures.
- (2) To consider available methods for thermodynamic modeling, including fundamental equations of states for pure fluids and mixtures, innovative mixing rules, model intercomparisons, computer simulations, and model approaches for transport properties of pure fluids and mixtures.
- (3) To select key systems and topics for cooperative research to be carried out for presentation and discussion of the results at future workshops.

For further information, please visit the web site of the workshop

<http://www.icqem.pi.cnr.it/thermodyn/workshop.html>

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