The complexity of the liquid state and the large differences between our simple models and the actual solutions of molecules of a variety of sizes, shapes and force fields leaves ample room for further study.

The entire history of chemistry bears witness to the extraordinary importance of the phenomena of solubility.

Joel H. Hildebrand and Robert L. Scott *The Solubility of Nonelectrolytes* 3rd edition, Reinhold, New York, 1950



Cutting-edge *topical books* supported by IUPAC and IACT (International Association of Chemical Thermodynamics, successor of IUPAC Commission I.2, Thermodynamics)



(1) HEAT CAPACITIES: Liquids, Solutions and Vapours (2010)

(2) VOLUME PROPERTIES: Liquids, Solutions and Vapours (2015)
(3) ENTHALPY AND INTERNAL ENERGY: Liquids Solutions and

(3) ENTHALPY AND INTERNAL ENERGY: Liquids, Solutions and Vapours (2018)

Editors: Emmerich Wilhelm University of Wien, Institute of Materials Chemistry & Research/ Institute of Physical Chemistry, Wien (Vienna), Austria Trevor M. Letcher University of KwaZulu-Natal, Durban, South Africa

Publisher: The Royal Society of Chemistry, Cambridge, UK.