

- **The Aims**

The International Association for Transport Properties (IATP) is a non-profit grouping of scientists devoted to the advancement of the transport properties of materials. In particular, the association is engaged in the preparation of representations of the transport properties that are of value to engineering process design, and to the description of natural processes in the environment where international collaboration and agreement is specially significant. These developments will be carried out in the context of the underlying science and with the intention of improving understanding.

IATP was formerly known as the Subcommittee on Transport Properties of the International Union of Pure and Applied Chemistry (1981 - 2001).

Further info at : <http://transp.cheng.auth.gr>

2001 - 2007      Chairman : Professor W.A. Wakeham

- **List of Scientific Meetings**

1. 2001      Chalkidiki, Greece
2. 2002      Imperial College, London, U.K.
3. 2003      Boulder, Colorado, U.S.A.
4. 2004      Pau, France
5. 2005      Bratislava, Slovakia
6. 2006      Boulder, Colorado, U.S.A.

- **Books Published (as STP/IUPAC)**

1. *Experimental Thermodynamics. Vol. III. Measurement of the Transport Properties of Fluids.*  
Eds. A. Nagashima, J.V. Sengers and W.A. Wakeham.  
Blackwell Scientific Publications (1991).
2. *Transport Properties of Fluids. Their Correlation, Prediction and Estimation.*  
Eds. J.H. Dymond, J. Millat and C.A. Nieto de Castro.  
Cambridge University Press (1996).

# 7th

## Meeting of the International Association for Transport Properties

(former Subcommittee on Transport Properties  
of IUPAC Commission I.2: Thermodynamics)



Saturday, 30<sup>th</sup> June 2007

Richmond Hotel İstanbul  
Turkey

## *Program*

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- All presentations are informal and are followed by a discussion period.

## Friday 29<sup>th</sup> June 2007

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- 10:00 Departure from Hotel Richmond  
11:00 The Bosphorus tour by boat  
12:00 Lunch in Sultanahmet  
13:30 Trip around historical places (Topkapi Palace Museum)  
15:00 Sultanahmet Mosque, St. Sophia Museum (Hagia Sophia)  
17:00 Return to Hotel Richmond  
19:00 Departure from Hotel for Dinner  
19:30 Dinner in Kumkapú (fish, raki, wine etc)  
23:00 Return to Hotel Richmond



## Saturday 30<sup>th</sup> June 2007

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- 09:00 Opening Remarks.  
*W.A. Wakeham (UK).*

### Scientific Session A.

- 09:10 Viscosity of S<sub>2</sub>O and DIDP  
*A.R.H. Goodwin (UK), K.N. Marsh, M. Kandil (New Zealand), K. Harris (Australia)*
- 09:30 Diisodecyl Phthalate: An Industrial Standard over a Wide Temperature Range?  
*A. Leipertz and A. Froeba (Germany)*
- 09:50 Viscosity of DIDP  
*A. Goodwin, M. E. Kandil (USA) and K. N. Marsh (New Zealand)*
- 10:10 Viscosity of 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide  
*C.A. Nieto de Castro, A.P. Ribeiro and F.J.V. Santos (Portugal)*
- 10:30 Coffee

### Scientific Session B.

- 11:00 Recent Developments in Dynamic Light Scattering on Ferrofluids  
*S. Will, J. Patzke and B. Rathke (Germany)*
- 11:20 On the Application of the Transient Hot-Wire Technique to the Measurement of Thermal Conductivity of Solids  
*M.J. Assael, K. Antoniadis (Greece)*
- 11:40 The Thermal Conductivity of Humid Air. Experimental Difficulties  
*C.A. Nieto de Castro, A.P. Ribeiro, S.G. Beiryo, M.J.V. Loureno and F.J.V. Santos (Portugal)*
- 12:00 Development of a Dual Sinkers Archimedean Densitometer for High Temperatures  
*Yuzuru Sato (Japan)*
- 12:20 Lunch

### Business Session.

- 15:00 Announcements.
- Continuing Collaborative Projects
    - Viscosity and Thermal Conductivity of Water & Steam  
*M.J. Assael (Greece), E. Vogel, J. Millat (Germany), A. Nagashima (Japan), D. Friend, J.V. Sengers (USA)*
    - Investigation of a New High-Viscosity Standard  
*J.M.N.A. Fareleira, C.M.B.P. Oliveira (Portugal), M.J. Assael (Greece), A. Leipertz, H. Bauer (Germany), A. Nagashima (Japan)*
    - On the Book on the Properties of Water, Air and Sea Water  
*A. Nagashima (Japan), M.J. Assael (Greece), J. Millat (Germany).*
    - Feasibility Study on Properties of Ionic Fluids  
*E. Vogel (Germany), K.N. Marsh (New Zealand), A. Padua (France), J.M.N.A. Fareleira (Portugal)*
    - Preliminary Investigation for Recommended Values for Viscosity and Density of Molten Metals.  
*M.J. Assael (Greece), Y. Sato (Japan)*
    - Diffusion coefficients on Liquid Systems  
*J. Winkelmann (Germany)*
  - Future Collaborative Projects: Proposals.
  - Membership.
  - Future Meetings.
- 17:30 Adjourn.