

- **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, 30th June 2007

Richmond Hotel İstanbul
Turkey

Program

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

Friday 29th June 2007

- 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 30th June 2007

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

Scientific Session A.

- 09:10 Viscosity of S₂O 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.