



IAPWS Symposium “Water and Steam: industrial and scientific application”

25th June 2014

Moscow, Krasnokazarmennaya Street 14, MPEI
4th Floor, room MAZ

Section 1. Chairman Dr. K. Orlov

- 9:00 am The Core Activities of Moscow Power Engineering Institute for Power Industry Worldwide
N.D. Rogalev
- 9:20 am Helmholtz award lecture
Self-diffusion in supercritical water: NMR and MD studies on dynamics of hydrogen bonds
K. Yoshida
- 10:15 am Properties of amorphous ice and formation of gas hydrates
M.Z. Faizullin
- 10:45 am *Tea/Coffee break*
- 11:00 am Thermal Conductivity of Supercooled Water
J.W. Biddle, F. Bresme, J.V Sengers, M.A. Anisimov
- 11:30 am Supercooled Aqueous Solutions: Offspring of Liquid-Liquid Transition in Water
J.W. Biddle, V. Holten, M.A. Anisimov
- 12:00 *Lunch*¹

Section 2. Chairman Prof. M. Anisimov

- 1:00 pm Investigation of thermodynamic properties of dissociated water steam
R.Z. Aminov , A.A. Gudym, **A.V. Portyankin**
- 1:30 pm Dry lay-up of steam generators with film forming amines. Studies and field experiences
W. Hater, A. de Bache, T. Petrick
- 2:00 pm System “Water – Natural Gas” (water, supercooled water, ice, gas hydrates)
V. Istomin
- 2:30 pm *Tea/Coffee break*
- 2:50 pm Water-carbon dioxide system: solubility, hydrates, substitution of methane for carbon-dioxide gas in gas hydrates
V. Voronov, **E. Gorodetskiy**, B. Grigoriyev, A. Muratov
- 3:20 pm Water in the natural hydrate-forming systems: kinetics of hydrate formation and dissociation processes by adiabatic calorimetry
V.M. Buleiko, B.A. Grigoriev, V.A. Istomin
- 3:50 pm The properties of supercritical water under high-power heating
S.B. Rutin, **P.V. Skripov**

¹ Krasnokazarmennaya Street, 12S38, restaurant “Trapeznaya”