

IAPWS SYMPOSIUM

“WATER AND STEAM: INDUSTRIAL AND SCIENTIFIC APPLICATION”

- 9:00 The Core Scientific Activities of Moscow Power Engineering Institute Aimed at Utility Industry Progress
N.D. Rogalev
- 9:20 Self-diffusion in supercritical water: NMR and MD studies on dynamics of hydrogen bonds
K. Yoshida
- 10:15 Properties of amorphous ice and formation of gas hydrates
M.Z. Faizullin
- 10:45 Coffee break
- 11:00 Thermal Conductivity of Supercooled Water
J.W. Biddle, F. Bresme, J.V Sengers, M.A. Anisimov
- 11:30 Supercooled Aqueous Solutions: Offspring of Liquid-Liquid Transition in Water
W. Biddle, V. Holten, M.A. Anisimov
- 12:00 Lunch
- 13:00 Investigation of thermodynamic properties of dissociated water steam
R.Z. Aminov , A.A. Gudym, A.V. Portyankin
- 13:30 Dry lay-up of steam generators with film forming amines. Studies and field experiences (Presentation not given)
W. Hater, A. de Bache, T. Petrick
- 14:00 Specifics of water phase condensation from the wet natural gas (water, supercooled water, non-electrolyte aqueous solutions, ice, gas hydrates) to cooled surface
V.Istomin
- 14:30 Coffee break
- 14:50 Water-carbon dioxide system: solubility, hydrates, substitution of methane for carbon-dioxide gas in gas hydrates
V. Voronov, E. Gorodetskiy, B. Grigoriyev, A. Muratov
- 15:20 Water conditions and properties of natural hydrate systems for determination the character and dynamics of gas-hydrates development and decomposition
V. Buleyko, B. Grigoriyev
- 15:50 The properties of supercritical water under high-power heating
S.B. Rutin, P.V. Skripov