

Section 3.

Coordination Chemistry of Technetium
(chairpersons: T.Omori, D.N.Suglobov)

- 14.00 - 14.20 "Distortion of TcO_4^- -Anion in Solid"
V.P. Tarasov, G.A. Kirakosyan (*Inst. Gen. Inorg. Chem., RAS, Moscow, Russia*)
- 14.20 - 14.40 "Novel Water-Soluble Technetium(I) Tricarbonylhydroxyfluoride"
A.E. Miroslavov, N.L. Gorshkov, A.A. Lumpov, G.V. Sidorenko,
M.S. Grigoriev, D.N. Suglobov (*NPO "Khlopin Radium Inst.", St.-Petersburg, Russia*)
- 14.40 - 15.00 "Crystal and Electronic Structures of Technetium Carbonyl Halogenides"
M.S. Grigoriev, Yu. V. Plekhanov, D.N. Suglobov (*Inst. Phys. Chem., RAS, Moscow, Russia*)
- 15.00 - 15.20 **Break**
- 15.20 - 15.40 "Substitution Reactions of Technetium Complexes"
(invited) T. Omori (*Fac. Sci., Radiochem. Res. Lab., Shizuoka Univ., Japan*)
- 15.40 - 16.00 "Complexation of Technetium with Humic Acid"
(invited) T. Sekine (*Dept. Chem., Grad. School Sci., Tohoku Univ., Sendai, Japan*)
- 16.00 - 16.20 "Reduction of Tc(VII) and Re(VII) by Ferrocene in Acidic-Aqueous Media"
V.G. Maksimov (*Inst. Phys. Chem., RAS, Moscow, Russia*)
- 16.20 - 16.40 "Comparative Quantum Chemical Study of the Binuclear Clusters of Tc and Mo"
Yu. V. Plekhanov, S. V. Kryutchkov (*Inst. Phys. Chem., RAS, Moscow, Russia*)

16.40 - 17.00 **Discussion**

July 3 (Wednesday)

- 9.00 Excursion to Sergiev Posad and NPO "Radon".