

July 4 (Thursday)

Section 5.

**Nuclear and General Physics and Chemistry of Technetium**  
(chairpersons: K. Yoshihara, V.A.Khalkin)

- 10.00 -10.20 "Tc-99 Transmutation as the New Source of Stable Ruthenium"  
*A.A.Kozar, V.F.Peretroukhin (Inst. Phys. Chem., RAS, Moscow, Russia)*
- 10.20 -10.40 "Metal Technetium - Cyclotron Target for <sup>97</sup>Ru Production"  
*V.A.Khalkin, K.G.Bukov, N.G.Shakun, N.G.Zaitseva (Joint Inst. Nucl. Res., Dubna, Russia)*
- 10.40 -11.00 "Conversion Electron Spectroscopy (CES) as the Probing Method of the Local Electron Structure of the Impurity Atoms in Solids. Results for the Tc-99m Atoms into Technetium, Platinum and Gold"  
*V.N.Gerasimov, V.M.Kulakov, S.K.Lisin (Inst. Gen. Nucl. Phys., Russian Res. Center "Kurchatov Inst.", Moscow, Russia)*

11.00 -11.20 **Break**

- 11.20 -11.40 "Physico-Chemical Properties of Technetium Clusters"  
*S.V.Kryutchkov (Inst. Phys. Chem., RAS, Moscow, Russia)*
- 11.40 - 12.00 "Fast Dynamic Electron Transfer in Systems of Technetium Acidocomplexes with Ferricinium Cations"  
*B.G.Antipov (Inst. Organoelem. Comp., RAS, Moscow, Russia)*
- 12.00 -12.20 "Kinetics of Some Redox Reactions of Technetium"  
*T.V.Gomonova, V.S.Koltunov (SRC VNIINM, Moscow, Russia)*

12.20 -12.50 **Discussion**

12.50 -14.20 **Lunch**

Section 6.

**Other Aspects of Physics and Chemistry of Technetium;**  
**Prospects of Technetium Utilization**  
(chairperson: M.S.Grigoriev)

- 14.20 -14.40 "Catalytic Properties of Tc/support in the Reactions of Transformations of Hydrocarbons, Carbon Oxides and Hydrazine"  
*N.M.Panich, R.I.Korosteleva, G.N.Pirogova (Inst. Phys. Chem., RAS, Moscow, Russia)*