PROGRAM

8:30-8:40	Opening Remarks Tomoyuki Kakeshita
Session 1	
Chair:	Vladimir Shavrov
8:40-9:00	"The Electronic Structure and Elastic Properties of Ideal and Off-stoichiometric Heusler Alloys from the First Principles" Svetlana Kulkova
9:00-9:20	"Dymamics of Martensitic Transformation on B2 Alloys" Takuya Ohba
9:20-9:40	"First-principles and Monte Carlo study of magnetic and magnetocaloric properties of $Ni_{2+x}Mn_{1-x}Ga$ and $Ni_2Mn_{1+x}In_{1-x}$ alloys" Vasily Buchelnikov
9:40-10:00	"Surface Reaction Design from Ab-Initio Quantum Dynamics Calculations - Spin and Dynamics Manipulation -" <i>Wilson Agerico Diño</i>
10:00-10:20	"Symmetry-conforming theory of martensite stabilization/destabilization: application to Au-Cd and Ni-Mn-Ga shape-memory alloys" <i>Victor L'vov</i>
10:20-10:50	Coffee Break
Session 2	
Chair:	Minoru Nishida
10:50-11:10	"Recent developments in the field of Ni-Mn-Ga FSMAs: Observations of giant superelastic tensile stains" <i>V. A. Chernenko</i>
11:10-11:30	"Magnetocaloric effect in Heusler-based ferromagnetic shape memory alloys" V. V. Khovaylo
11:30-11:50	"Martensitic transformation as an unusual mechanism of deforming solids" Yuri. N. Koval
11:50-12:10	"Inverse Magnetocaloric Effect in NiCoMnIn Heusler Alloy" A. N. Vasiliev
12:10-12:30	"Co substitution effects on the magnetic properties in Ni-Mn-Sn alloys" <i>Rie Y. Umetsu</i>
12:30-14:00	Lunch

Session 3

Chair:	V. A. Chernenko
14:00-14:20	"Shape Memory Effect and Superelasticity in High-Strength Single Crystals with Thermoelastic Martensitic Transformation" Yuriy Chumlyakov
14:20-14:40	"Peculiarity of phase transformation and functional properties of amorphous-crystalline TiNi-based shape memory alloys" Natalia Resnina
14:40-15:00	"Structure, Substructure and Functional Properties of Thermomechanically Treated Ti-Ni and Ti-Nb-Zr (Ta) Shape Memory Alloys" Sergey Prokoshkin
15:00-15:20	"Phase Transformation and Mechanical Property of Nano-Structured TiNi" Koichi Tsuchiya
15:20-15:40	"TEM Observations on the Ferromagnetic Domain Formation in Functional Materials" Yasukazu Murakami
15:40-16:10	Coffee Break
Session 4	
Chair:	A. N. Vasiliev
16:10-16:30	"Magnetic Field Induced Strain and Phase Transitions in Ni-Mn-Ga Alloys" V. V. Kokorin
16:30-16:50	"Application of Magnetic and Nonmagnetic Shape Memory Alloys in Micro- and Nanomechanical Devices" Vladimir Shavrov
16:50-17:10	"Shape memory effect and structural changes during martensitic transformation in high temperature shape memory alloys" <i>Georgiy S. Firstov</i>
17:10-17:30	"Novel Electron Microscopy Study of Self-Accommodation in B19' Ti-Ni Martensite" Minoru Nishida
17:30-17:50	"Kinetics of Martensitic Transformation Investigated by Magnetic Field" Tomoyuki Kakeshita
17:50-18:00	Closing Remarks V. V. Kokorin