

Advance Courses of TICMI in Applied Mathematics



6-7 OCTOBER, 2014, TBILISI, Georgia
I. Vekua Institute of Applied Mathematics
of I. Javakhishvili Tbilisi State University
2 University St., Tbilisi, Georgia

October 6, 2014

- 15⁰⁰-15³⁰** **Opening**
- 15³⁰-16¹⁵** **A. Hasanoglu** (Turkey). Introduction to Variational Problems and Finite Element Methods (FEM): *Basic Theory*
- 16¹⁵-17⁰⁰** **W. Müller** (Germany). Microstructural Simulations with Cahn-Hilliard Theory
- 17⁰⁰-17⁴⁵** **G. Avalishvili** (Georgia). On Investigation of Some Nonclassical Models for Thermoelastic Bodies
- 17⁴⁵-18¹⁵** **Round Table**

October 7, 2014

- 14⁴⁵-15³⁰** **A. Hasanoglu** (Turkey). Introduction to Variational Problems and Finite Element Methods: *FEM Technology and Numerical Issues*
- 15³⁰-16¹⁵** **W. Müller** (Germany). Higher Gradient Theories: Applications to the Size Effect in Submicrostructures Incl. Experimental Analysis of Elastic Material Parameters
- 16¹⁵-17⁰⁰** **D. Patariaia** (Georgia). Calculation of the Complex Cable-Rod Structure on the Basis of Discrete Conception and Modified Method of Approximation by Parabola
- 17⁰⁰-17⁴⁵** **M. Avalishvili** (Georgia). Hierarchical Modeling of Thermoelastic Shells within the Framework of Nonclassical Theories of Thermoelasticity
- 17⁴⁵-18¹⁵** **Round Table**

ORGANIZERS

I. Javakhishvili Tbilisi State University

- Tbilisi International Centre of Mathematics and Informatics (TICMI)
- I. Vekua Institute of Applied Mathematics
- Faculty of Exact and Natural Sciences, Department of Mathematics, Chair of Mechanics