

**Iv. Javakhishvili Tbilisi State
University**

**I.Vekua Institute of Applied
Mathematics of TSU**



**Scientific Seminar of the Shota Rustaveli National Science
Foundation Project-399**

**SOME PROBLEMS OF THE THEORY OF DIFFERENTIAL
EQUATIONS**

February 25, 2011, Friday

**I. Vekua Institute of Applied Mathematics
Scientific Council Room**

P r o g r a m

Chairman: T.Tadumadze

- 13:00-13:30 A. Nachaoui (France). A Residual Velocity Method for Inverse Boundary Problems.**
- 13:30-14:00 A. Niftiev (Azerbaijan). Optimal Control Problem Relative to Domain Evolution for Elliptic Equation.**
- 14:00-14:20 L. Alkhazishvili, M. Iordanishvili. Maximum Principle for Optimal Problems with Incommensurable Delays.**
- 14:20-14:50 O. Jokhadze. Boundary Value Problems for Wave Equations with Nonlinear Dissipative and Damping Terms.**

14:50-15:30 Coffee Break

Chairman: A. Nachaoui

- 15:30-16:00 R. Koplatadze. Oscillation of Nonlinear Difference Equations with Delay Argument**
- 16:00-16:20 G. Giorgadze. On Oscillatory Properties of Solutions of Three-Dimension Systems of Linear Delay Differential Equations.**
- 16:20-16:40 N. Gorgodze, I. Ramishvili. Necessary Conditions of Optimality for a Class of Neutral Optimal Problem.**
- 16:40-17:00 P. Dvalishvili, B. Gvaberidze. On Optimization of an Economical Process.**
- 17:00-17:30 T. Tadumadze. Variation Formulas of Solution for Delay Differential Equations Taking into Consideration Delay Perturbation and their Applications in Optimization and Inverse Problems (Presentation of the Project-399).**