

Scientific Program and Schedule

XVI Baikal International School-Seminar “Optimization Methods and their Applications”

Hotel complex Baykalov Ostrog
30th of June — 6th of July 2014

30th of June

- 9.00-14.00 — transfer by buses from
Hotel Irkutsk to Hotel complex Baykalov Ostrog,
Olkhon Island
- 14.00-15.00 — lunch
- 15.00-18.00 — registration
- 18.30-19.30 — dinner
- 20.00-22.00 — boat tours

1st of July

8.00-9.00	—	breakfast
9.00-16.00	—	welcome and registration
9.00-9.20	—	opening of the school-seminar
Plenary lectures (Chairman: Khamisov O.V.)		
9.30-10.10	—	Arguchintsev A.V., Srochko V.A. (IMEI ISU, Irkutsk) Professor Oleg Vasiliev and optimal control in ISU
10.20-11.00	—	Terletskii V.A. (IMEI ISU, Irkutsk) Variational maximum principle in optimal control by multidimensional hyperbolic systems of differential equations
11.10-11.50	—	O.O. Vasilieva (Universidad del Valli, Colombia) Optimal control methods for conservation biology: a case of non-harvesting utility
12.00-12.40	—	Dykhta V.A. (Branch of the Russian Academy of Sciences, Irkutsk) Variational optimality conditions with feedback descent controls that strengthen the maximum principle
13.00-14.00	—	lunch
14.20-16.20	—	Sections Talks
Plenary Lecture (Chairman: Kochetov Y.A.)		
17.00-17.40	—	Khachai M.Y. (IMM UB RAS, Ekaterinburg) Approximability geometric traveling salesman problem and its generalizations
19.00-21.00	—	welcoming dinner

2nd of July

8.00-9.00	—	breakfast
Plenary lectures (Chairman: Strekalovsky A.S.)		
9.00-9.40	—	S. Dempe (TU Bergakademie Freiberg, Germany) Bilevel optimization: model, optimality conditions and first solution approaches
9.50-10.30	—	Antipin A.S. (CC RAS, Moscow) Terminal control of boundary problems
10.40-11.20	—	Strongin R.G. (UNN, Nizhny Novgorod) Constrained global optimization: multiprocessor computing
11.30-12.10	—	Gergel V.P. (UNN, Nizhny Novgorod) Obtaining exaflops performance for of global optimization problems
12.30-13.30	—	lunch
14.00-18.00	—	Section Talks
18.30-19.30	—	dinner
20.00-22.00	—	boat trips

3rd of July

Plenary lectures (Chairman: Nurminski E.A.)		
9.00-9.40	—	P.M. Pardalos (University of Florida, USA) Optimization and Economic Modeling of Energy Systems Centering CO ₂ Issues
9.50-10.30	—	D. Gao (Federation University and Australian National University, Australia) Unified Modeling and Theory for Global Optimization
10.40-11.20	—	S. Butenko (Texas A&M University, USA) Dominating sets in graphs: optimization and extensions
11.30-12.10	—	Sergeev Y.D. (University of Calabria, Italy, UNN, Nizhny Novgorod) Recent development in Lipschitz global optimization
12.30-13.30	—	lunch
Plenary lectures (Chairman: Sergeyev Y.D.)		
14.00-14.40	—	N. Mladenovic (LAMIH, Université Valenciennes, France) Solving huge continuous optimization problems
14.50-15.30	—	O. Burdakov (Linköping University, Sweden) On efficiently combining limited-memory and trust-region techniques
15.40-16.20	—	Nurminski E.A. (Palo, Vladivostok) On graph-theoretic approach to solving of large-scale optimization problems
16.30-17.10	—	Kirillov A.I. (RFBR, Moscow) On typical shortcomings of the projects submitted to RFBR calls а и г and on the use of grant funds
19.00-22.00	—	conference dinner

4th of July

8.00-9.00	—	breakfast
Plenary lectures (Chairman: Sidorov D.N.)		
9.00-9.40	—	Gimadi E.Kh. (IM SB RAS) On some problems of finding several disjoint structures in complete weighted graph
9.50-10.30	—	Kibzun A.I. (MAI, Moscow) Methods for solving stochastic programming with quantile criterion
10.40-11.20	—	B.M. Brown (Cardiff University, UK) Scattering and inverse scattering for a left-definite Sturm-Liouville problem
11.30-12.10	—	Sizikov V.S. (ITMO St. Petersburg) Use of integral equation apparatus in infrared tomography
12.30-13.30	—	lunch
14.00-18.00	—	Section Talks
18.30-19.30	—	dinner
20.00-22.00	—	boat trips

5th of July

8.00-9.00	—	breakfast
Plenary lectures (Chairman: Shary S.P.)		
9.00-9.40	—	Vasiliev V.A. (IM SB RAS) On the existence of non-blocking in some imputations classes of fuzzy cooperative games
9.50-10.30	—	Gorbunov V.K. (PGAs, Ulyanovsk) The problem of market demand and economic equilibrium in the economic theory and mathematical modeling
10.40-11.20	—	J. Dunn (The University of Adelaide, Australia) Progress in solving the compound monotonic regression (CMR) problem
12.30-13.30	—	lunch
14.00-18.00	—	Sections Talks
18.30-19.30	—	dinner
20.00-22.00	—	boat trips

6th of July

- 8.00-9.00 — breakfast
- 9.00-9.40 — discussion, conclusions and closing schools seminar
- 10.00 — departure by bus to Irkutsk