Scientific Programme

June 3, 2013, Monday. Champions Hall of NSC Olimpiyskiy

08:30 Meeting at the hotel lobby; walking to Champions Hall of NSC Olimpiyskiy
09:00-09:30 Opening Remarks by I. Sergienko
09:30-10:00 Panos M. Pardalos
Networks Everywhere

10:00-10:30 Coffee Break

10:30-11:00 Vitaliy Yatsenko
Mathematical Models of Sensor Network for Detection of Chemical and Biological Agents: Robustness, Risk Assessment, and Optimization

11:00-11:30 Leonidas Pitsoulis
Communities in Networks and Modularity

11:30-12:00 Ashwin Arulselvan
Detecting Critical Nodes in Sparse Networks

12:00-13:30 Lunch (not included)

13:30-14:00 Nenad Mladenovic
Continuous optimization by variable neighborhood search

14:00-14:30 Oleg Burdakov
Local Search for Hop-Constrained Directed Steiner Tree Problem With Application to UAV-Based Multi-Target Surveillance

14:30-15:00 Coffee Break

15:00-15:30 Dalila Fontes
Including Hop-Constraints in Tree Networks

15:30-16:00 Vladimir Boginski
Diameter-based Robust Clusters in Networks

16:00-16:30 Pavlo Krokhmal
Risk-Averse Stochastic Maximum Weighted Clique Problem

18:00-21:00 Conference Dinner @Varenichnaya #1

June 4, 2013, Tuesday. Champions Hall of NSC Olimpiyskiy

09:00-09:30 Yury Evtushenko and Mikhail Posypkin
Deterministic Multicriteria Optimization

09:30-10:00 José Rubén Gómez, Joaquin Pacheco, and Hernán Gonzalo-Orden
A Tabu Search method for a Bi-objective Urban
Examining Robustness and Vulnerability of Critical Infrastructure Networks

Waste Collection Problem

10:00-10:30 Coffee Break

10:30-11:00 Yannis Marinakis and Athanasios Migdalas
Multiobjective Particle Swarm Optimization for a Multicast Routing Problem

11:00-11:30 Ilya Kurochkin and Yakov R. Grinberg
Different Criteria for Dynamic Routing in Mathematical Simulation of Telecommunication Networks

12:00-13:30 Lunch (not included)

13:30-14:00 Yaroslav Sergeyev
Lipschitz Global Optimization Algorithms

14:00-14:30 Fernando Fontes
Guaranteeing that Optimality Conditions are Informative in Critical Decision Making Scenarios

14:30-15:00 Coffee Break

15:00-15:30 Jose Principe
Estimating Entropy and Mutual Information in Reproducing Kernel Hilbert Spaces

15:30-16:00 Nickolay Kuznetsov
Evaluation of s-t Reliability of Repairable Networks by Fast Simulation Method

16:00-16:30 Petro Stetsyuk and Volodymyr Zhydkov
Two Types of Optimization Problems for the Design of Fault-Tolerant Networks with Optimum Capacity

16:30-17:00 Sergiy Butenko
Clique Relaxations in Unit Disk Graphs


9:00 Meeting at the hotel lobby, traveling to KPI

10:00-10:30 Mykhailo Zgurovsky

10:30-11:00 Natalia Pankratova

11:00-11:30 Tatiana Romanova and Petro Stetsyuk
Optimal Robust Packing Circular Cylinders into a Cylindrical Container

11:30-12:00 Yuriy Stoyan and Tatiana Romanova
Optimal Robust Packing in Space Engineering Using Phi-function Technique
Examining Robustness and Vulnerability of Critical Infrastructure Networks

12:00-13:30 Lunch (not included)
Useful Information

Hotel

Holiday Inn Kiev (www.holidayinn.com/Kiev)
Chervonoarmiis'ka St, 100, Phone:+38-044-363-3000

Reservation Name: NATO Workshop
Block ID: 31950

Included with the reservation:
- Buffet breakfast
- Complimentary Wi-Fi
- In-room tea & coffee facilities
- A bottle of water
- Access to fitness room

Conference Facilities

June 3-4:
Champions Hall of NSC Olimpiyskiy
Chervonoarmiis'ka St, 55, Phone: +38-044-590-6708

June 5:

Conference Dinner Location

Varenichnaya #1
Esplanadna Str., 28,

Contact

Sergiy Butenko
Phone: +38-099-535-2653
E-mail: butenko@gmail.com