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 09:30-10:00	Opening Remarks by I. Sergienko 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 Assesment, 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	
09:30-10:00	Deterministic Multicriteria Optimization José Rubén Gómez, Joaquin Pacheco, and Hernán	



Gonzalo-Orden

The NATO Science for Peace is supported by: and **Security** Programme

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 Ilya Kurochkin and Yakov R. Grinberg 11:00-11:30 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

June 5, 2013, Wednesday. Conference Room of Institute for Applied Systems Analysis.

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)
13:30-15:30 Tour of KPI Museum. Adjournment.

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
http://nsc-olimpiyskiy.com.ua/en/

June 5:

Conference room of the Institute of Applied Systems Analysis, KPI, 37 Prospekt Peremogy.

Conference Dinner Location

Varenichnaya #1
Esplanadna Str., 28,
http://varenichnaya.com/en/

Contact

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