



Schedule of Sessions

Monday, September 17, 2012

Head of Session: Sedláčik Marek

14.00 – 14.30	Conference Opening
14.30 – 15.00	Holcner V. European Defence Sector in 21 st Century – Dealing with Increasing Uncertainty
15.00 – 15.30	Nakonechnyi O. Прогнозные оценки решений начально-краевых задач для уравнений параболического типа в условиях неопределенности
15.30 – 16.00	Coffee break
16.00 – 16.30	Sant L. Harnessing Empirical Characteristic Function Convergence Behaviour
16.30 – 17.00	Martsenyuk V. P., Andrushchak I. Ye., Gandzyuk N. M., Klymuk N. Ya., Kuchvara O. M., Mayhruk Z. V. Decision support system for medical system research





Schedule of Sessions

Tuesday, September 18, 2012

Head of Session: Ivanov Todor Filipov

8.30 – 9.00	Podlipenko Yu., Shestopalov Yu. Approximate minimax estimates of functionals from right-hand sides of maxwell equations
9.00 – 9.30	Максимов В. И. О реализации заданного качества процесса управляемой системы в условиях неопределенности
9.30 – 10.00	Lebedev E. A. State – dependent retrial queues
10.00 – 10.30	Coffee break

Head of Session: Lebediev Ievgen

10.30 – 11.00	Bratiichuk M., Protopop Iu. Erlang retrial queues with hysteresis strategies of input flow
11.00 – 11.30	Ляшенко И. Н., Тадеев Ю. П. Оптимальное управление инвестициями в производственные фонды, интеллектуальный капитал, охрану окружающей среды
11.30 – 12.00	Shchestyuk N., Shabalin D. Chaotic deterministic systems for risky asset models



Head of Session: Maximov Viacheslav

14.00 – 14.15	Pashko A. A. Simulation of random fields on the sphere in functional spaces
14.15 – 14.30	Chechelnitski A., Gubeladze A., Kucherenko O. Diffusion approximation of multichannel queues at the network models with the parallel structure and common flow
14.30 – 14.45	Vlasyuk A. P., Drozdovskiy T. A. Mathematical modelling of building ground foundation stress-strain state change under fixing
14.45 – 15.00	Iemets O. O., Yemets' O. O. About the problem of growing of a discrete fuzzy number carrier during algebraic operations
15.00 – 15.15	Mashchenko S. O., Bovsunivskiy O .M. The alternatives selection problem on the fuzzy set of clear goals
15.15 – 15.45	Coffee break

Head of Session: Correll Ray

15.45 – 16.00	Holešovský J., Popela P. Stochastic extensions of a traffic assignment problem
16.00 – 16.15	Polyakov V., Zhelizko V. Hydrodynamic deformations in porous media: theory and applications
16.15 – 16.30	Biletskyi A., Biletskyy B. Intracellular processes modeling using active particles
16.30 – 16.45	Křivánková Lenka Continuous-time models in portfolio theory
16.45 – 17.00	Menshikov Yu.L. About methods of decision adoption under uncertainties



Schedule of Sessions

Thursday, September 20, 2012

Head of Session: Sant Lino

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|-------|---|-------|---|
| 8.30 | – | 9.00 | Herlin I., Huot E.
Predicting Surface Currents from Uncertain Image Observations |
| 9.00 | – | 9.30 | Beyko I., Zinko P.
Solve-operator methods for optimization of controlled stochastic processes |
| 9.30 | – | 10.00 | Stadlober E., Scheibelhofer P.
Regression Trees and Random Forests for Predictive Maintenance in Semiconductor Manufacturing |
| 10.00 | – | 10.30 | Coffee break |

Head of Session: Herlin Isabelle

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| 10.30 | – | 11.00 | Lebedeva T. T., Semenova N. V., Sergienko T. I.
Vector discrete optimization problems: a stability analysis |
| 11.00 | – | 11.30 | Neubauer J., Odehnal J.
Selected quantitative methods of economic time series description |
| 11.30 | – | 12.00 | Odehnal J., Neubauer J.
Model of military spending and economic growth |



Head of Session: Michálek Jaroslav

14.00	–	14.15	Sklenar J., Borg D. S., Popela P. Application of reinforcement learning in airline revenue management
14.15	–	14.30	Žampachová E. Stochastic optimization of a transversely vibrating cantilever beam
14.30	–	14.45	Hübnerová Z., Doudová L. Comparison of powers of some tests in one-way anova type model with negative binomial distribution
14.45	–	15.00	Ponomarov V. On approximation of controlled retrial queues
15.00	–	15.30	Coffee break

Head of Session: Lyashenko Igor

15.30	–	15.45	Заворотный А. Л., Касьянюк В. С. Парето-оптимальный подход к задаче восстановления функциональных зависимостей в условиях нечеткости
15.45	–	16.00	Савула Я., Щербата Г., Щербатый М. Анализ чувствительности решений задач гетеродиффузии примесного вещества относительно изменений параметров среды
16.00	–	16.15	Шахно С. М., Ярмола Г. П. Условия сходимости двухпараметрического метода типа хорд для решения нелинейных уравнений с учетом погрешностей округлений
16.15	–	16.30	Correll R. Reformulating Problems to Give Better Solution

Schedule of Sessions

Friday, September 21, 2012

Head of Session: Vlasjuk Anatoliy

8.30	–	8.45	Mazal J., Stodola P., Mokrá I. Mathmodelling of the tactical activities
8.45	–	9.00	Mazal J., Stodola ., Rybanský M. Integration of the geographical and perational analyses in the tactical maneuver management
9.00	–	9.15	Mazal J., Stodola P. Traffic management optimization and its modeling
9.15	–	9.30	Krejčová I., Bína V. Means of parallel programming in managerial decision making
9.30	–	10.00	Coffee break

Head of Session: Semenova Nataliia

10.00	–	10.15	Graczyk M. On a-optimality of spring balance weighing
10.15	–	10.30	Jakowska-Suwalska K., Wolny M. Support planning model of demand for materials in coal mine
10.30	–	10.45	Vojtová M. Optimization of deterministic population dynamics models
10.45	–	11.00	Vopatova K. Iterative bandwidth selection in kernel discriminant analysis
11.00			Closing of the Conference