

Tuesday, June 5, Plenary Talks	
Lecture Hall A	
09:30 - 09:45	Opening
Chairman	P. Vassilevski
09:45 - 10:25	M. Gunzburger, <i>Bridging Methods for Coupling Atomistic and Continuum Models</i>
10:25 - 11:05	O. Axelsson, <i>Mesh-Independent Superlinear PCG Rates for Elliptic Problems</i>
11:05 - 11:45	U. Langer, <i>Primal and Dual Interface Concentrated Domain Decomposition Methods</i>
Lunch Break	
Tuesday, June 5, Parallel Sessions	
Lecture Hall A	
14:25 - 15:40	<i>Special Session on "Advances in Optimization, Control and Reduced Order Modeling"</i>
Chairman	M. Gunzburger
14:25 - 14:50	D. Ridzal, P. Bochev, <i>A Comparative Study of Galerkin and Mixed Galerkin Methods in Optimal Control Problems with Applications to Semiconductor Modeling</i>
14:50 - 15:15	A. Gaevskaya, <i>Functional Majorants for Distributed Optimal Control Problems with Control Constraints</i>
15:15 - 15:40	R. Hoppe, H. Antil, C. Linsenmann, <i>Path-Following Primal-Dual Interior-Point Methods for Shape Optimization Problems</i>
Lecture Hall B	
14:00 - 15:40	<i>Special Session on "Computational Grid and Large-Scale Problems"</i>
Chairman	A. Karaivanova
14:00 - 14:25	Y. Kodaki, H. Tadano, T. Sakurai, <i>A Parallel Method for Generalized Eigenvalue Problems Using Cascading GridRPC</i>
14:25 - 14:50	P. Dóbé, R. Kápolnai, I. Szeberényi, <i>Simple Grid Access for Parameter Study Applications</i>
14:50 - 15:15	D. Zaharie, D. Petcu, S. Panica, <i>A Hierarchical Approach in Distributed Evolutionary Algorithms for Multiobjective Optimization</i>
15:15 - 15:40	A. P. Sapozhnikov, A. A. Sapozhnikov, T. Sapozhnikova, <i>Reengineering Technology and Software Tools for Distributed Computation with Using Local Area Network</i>
Lecture Hall C	
14:00 - 15:40	<i>Contributed Talks</i>
Chairman	P. Minev
14:00 - 14:25	J. D. Tebbens, M. Tuma, <i>Algebraic Updates of Preconditioners for Solving Sequences of Linear Systems</i>
14:25 - 14:50	O. Shishkina, C. Wagner, <i>Numerical Investigation of Coherent Structures in Turbulent Thermal Convection</i>
14:50 - 15:15	I. Georgiev, S. Margenov, <i>Element Preconditioning in MIC(0) Solution of Rannacher-Turek FEM Systems</i>
15:15 - 15:40	N. Kosturski, <i>MIC(0) DD Preconditioning of FEM Elasticity Systems on Unstructured Tetrahedral Grids</i>
Coffee Break	

Tuesday, June 5, Parallel Sessions	
Lecture Hall A	
16:10 - 18:15 <i>Special Session on "Domain Decomposition Methods"</i>	
Chairman	U. Langer
16:10 - 16:35	J. Bouchala, <u>Z. Dostál</u> , M. Sadowská, <i>Scalable BETI for Variational Inequalities</i>
16:35 - 17:00	P. Burda, <u>M. Čertíková</u> , J. Novotný, J. Šístek, <i>Parallel Implementation of BDDC Method for Some Linear Elasticity Problems</i>
17:00 - 17:25	M. Pultar, <i>Numerical Modeling of External Steelwork under Natural Fire</i>
17:25 - 17:50	B. Cockburn, <u>R. Lazarov</u> , J. Gopalakrishnan, <i>Hybridization of FE Approximations of Elliptic Problems with Application to Discontinuous Galerkin Methods</i>
17:50 - 18:15	L. Zikatanov, <i>On the Analysis of Parallel and Successive Subspace Correction Methods</i>
Lecture Hall B	
16:10 - 18:15 <i>Special Session on "Computational Grid and Large-Scale Problems"</i>	
Chairman	T. Gurov
16:10 - 16:35	W. Kuranowski, M. Ganzha, <u>M. Paprzycki</u> , I. Lirkov, S. Margenov, <i>Agents as Resource Managers in Grids — Forming Agent Teams</i>
16:35 - 17:00	<u>I. Kouvakis</u> , F. Georgatos, <i>A Report on the Effect of Heterogeneity of the Grid Environment on a Grid Job; SEE VO</i>
17:00 - 17:25	E. Atanassov, T. Gurov, <u>A. Karaivanova</u> , <i>Ultra-Fast Semiconductor Carrier Transport Simulation on the Grid</i>
17:25 - 17:50	<u>R. Stevanović</u> , G. Topić, K. Skala, <i>Quantum Random Bit Generator Service for Monte Carlo and Other Stochastic Simulations</i>
17:50 - 18:15	<u>G. Kakasevski</u> , A. Buckovska, S. Loskovska, I. Dimitrovski, <i>Grid Enabled System for Mining, Gathering, Clustering and Retrieval Images from the Web</i>
Lecture Hall C	
16:10 - 18:15 <i>Special Session on "Environmental Modelling"</i>	
Chairman	K. Georgiev
16:10 - 16:35	<u>R. San José</u> , J. Pérez, J. Morant, R. González, <i>Advances on Real-Time Air Quality Forecasting Systems for Industrial Plants and Urban Areas by Using the MM5-CMAQ-EMIMO: Applications in Spain and UK</i>
16:35 - 17:00	M. Prodanova, <u>D. Syrakov</u> , K. Ganey, N. Miloshev, <i>Study of the Pollution Exchange between Romania, Bulgaria and Greece with the US EPA Models-3 System</i>
17:00 - 17:25	C. Carnevale, G. Finzi, <u>E. Pisoni</u> , M. Volta, <i>Modelling Evaluation of Emission Scenario Impact in Northern Italy</i>
17:25 - 17:50	<u>F. Deutsch</u> , C. Mensink, J. Vankerkom, L. Janssen, <i>Modelling of Airborne Primary and Secondary Particulate Matter with the EUROS-Model</i>
17:50 - 18:15	K. Georgiev, N. Kosturski, S. Margenov, <i>On the Numerical Solution of Heat Transfer Equation in the Process of Freeze-Drying</i>
19:30	RECEPTION

Wednesday, June 6, Plenary Talks	
Lecture Hall A	
Chairman	R. Lazarov
08:30 - 09:00	Special Event: 60th Anniversary of Richard Ewing
09:00 - 09:40	R. Ewing, <i>Mathematical Modeling and Scientific Computation in Energy and Environmental Applications</i>
09:40 - 10:20	P. Vassilevski, <i>Exact de Rham Sequences of Finite Element Spaces on Agglomerated Elements</i>
10:20 - 11:00	H. Neunzert, <i>The 2 Worlds of Mathematics</i>
Coffee Break	
Wednesday, June 6, Parallel Sessions	
Lecture Hall B	
11:30 - 12:45 <i>Contributed Talks</i>	
Chairman	P. Binev
11:30 - 11:55	<u>H. Tadano</u> , T. Sakurai, <i>On a Single Precision Preconditioner for Krylov Subspace Iterative Methods</i>
11:55 - 12:20	A. Andreev, <u>M. Racheva</u> , <i>Superconvergent Finite Element Postprocessing for Eigenvalue Problems with Nonlocal Boundary Conditions</i>
12:20 - 12:45	<u>A. Andreev</u> , M. Racheva, <i>Patch-Recovery Finite Element Method for a Coupling Eigenvalue Problem on Overlapping Domain</i>
Lecture Hall C	
11:30 - 12:45 <i>Special Session on "Computational Grid and Large-Scale Problems"</i>	
Chairman	I. Szeberényi
11:30 - 11:55	<u>D. Pasztuhov</u> , J. Török, <i>A Gradient Hybrid Parallel Algorithm to One-Parameter Nonlinear Boundary Value Problems</i>
11:55 - 12:20	D. Németh, <i>Parallel Dictionary Compression and Matchmaking Using Grid Technologies</i>
12:20 - 12:45	<u>T. Ostromsky</u> , Z. Zlatev, <i>GRID and Parallel Computing in the Implementation of a Large-Scale Air Pollution Model</i>
Lunch Break	

Wednesday, June 6, Parallel Sessions	
Lecture Hall A	
14:00 - 15:40 <i>Special Session on "Large Scale Computations in Coupled Engineering Phenomena with Multiple Scales"</i>	
Chairman	R. Ewing
14:00 - 14:25	<u>O. Iliev</u> , A. Latz, K. Steiner, A. Wiegmann, Z. Lakdawala, <i>Efficient Solvers for Simulation of Multiscale Filtration Processes</i>
14:25 - 14:50	<u>R. Sviercoski</u> , B. Travis, I. Ekeland, <i>Analytical Effective Coefficient and First Order Homogenized Approximation for Flow in Porous Media</i>
14:50 - 15:15	P. Popov, Y. Efendiev, <i>Multiscale Modeling and Simulation of Fluid Flows in Inelastic Media</i>
15:15 - 15:40	R. Ewing, O. Iliev, R. Lazarov, <u>J. Willems</u> , <i>Numerical Study of Two-Grid Methods and Preconditioners for Elliptic Problems with Highly Oscillating Discontinuous Coefficients</i>
Lecture Hall B	
14:00 - 15:40 <i>Contributed Talks</i>	
Chairman	M. Paprzycki
14:00 - 14:25	P. Binev, <i>Adaptive Approximation via Sparse Occupancy Trees</i>
14:25 - 14:50	D. Takahashi, <i>A Parallel Algorithm for Multiple-Precision Division by a Single-Precision Integer</i>
14:50 - 15:15	<u>I. Lirkov</u> , Y. Vutov, M. Paprzycki, M. Ganzha, <i>High Performance Solver for 3D Elasticity Problems</i>
15:15 - 15:40	Y. Vutov, <i>Parallel DD-MIC(0) Preconditioning of Rotated Trilinear FEM Elasticity Systems</i>
Lecture Hall C	
14:00 - 15:40 <i>Special Session on "Application of Metaheuristics to Large-Scale Problems"</i>	
Chairman	D. Simian
14:00 - 14:25	<u>D. Kateros</u> , P. Georgallis, C. Katsigiannia, G. Prezerakos, I. Venieris, <i>An Algorithm for the Frequency Assignment Problem in the Case of DVB-T Allotments</i>
14:25 - 14:50	C. Salto, E. Alba, <u>J. Molina</u> , <i>Analysis of Distributed Genetic Algorithms for Solving a Strip Packing Problem</i>
14:50 - 15:15	C. León, G. Miranda, <u>C. Segura</u> , <i>Optimizing the Broadcast in MANETs Using a Team of Evolutionary Algorithms</i>
15:15 - 15:40	<u>G. Färber</u> , S. Salhi, A. Moreno, <i>Semi-Dynamic Demand in a Non-Permutation Flowshop with Constrained Resequencing Buffers</i>
Coffee Break	

Wednesday, June 6, Parallel Sessions	
Lecture Hall A	
16:10 - 17:50	<i>Special Session on "Large Scale Computations in Coupled Engineering Phenomena with Multiple Scales"</i>
Chairman	O. Iliev
16:10 - 16:35	B. Bejanov, <u>P. Minev</u> , <i>A Front Tracking Algorithm for Free Boundary Flows Based on Mesh Alignment</i>
16:35 - 17:00	<u>J. Denev</u> , J. Fröhlich, H. Bockhorn, F. Schwertfirm, M. Manhart, <i>DNS and LES of Scalar Transport in a Turbulent Plane Channel Flow at Low Reynolds Number</i>
17:00 - 17:25	<u>I. Christov</u> , S. Dimova, T. Boyadjiev, <i>Finite Element Investigation of Layered Josephson Junctions</i>
17:25 - 17:50	F. Okulicka-Dłuzewska, <i>Preconditioning for Coupled Consolidation Equations</i>
Lecture Hall B	
16:10 - 18:25	<i>Special Session on "Monte Carlo: Tools, Applications, Distributed Computing"</i>
Chairman	M. Nedjalkov
16:10 - 16:45	A. Asenov, <i>Progress in the Monte Carlo Simulation of Statistical Variability in Nano-CMOS Devices Using DD, MC and QT Simulation Techniques</i>
16:45 - 17:10	A. Ashok, <u>D. Vasileska</u> , O. Hartin, S. M. Goodnick, <i>Monte Carlo Simulation of GaN Diode Including Intercarrier Interactions</i>
17:10 - 17:35	<u>V. Sverdlov</u> , E. Ungersboeck, H. Kosina, <i>Monte Carlo Algorithm for Mobility Calculations in Thin Body Field Effect Transistors: Role of Degeneracy and Intersubband Scattering</i>
17:35 - 18:00	<u>M. Aldegunde</u> , A. J. García-Loureiro, K. Kalna, <i>3D Parallel Finite Element Monte Carlo Simulation of Nano-MOSFETs</i>
18:00 - 18:25	M. Nedjalkov, H. Kosina, D. Vasileska, <i>Wigner ENSEMBLE Monte Carlo: Challenges of 2D Nano-Device Simulations</i>
Lecture Hall C	
16:10 - 18:15	<i>Special Session on "Application of Metaheuristics to Large-Scale Problems"</i>
Chairman	K. Penev
16:10 - 16:35	S. Fidanova, <i>Probabilistic Model of Ant Colony Optimization for Multiple Knapsack Problem</i>
16:35 - 17:00	<u>D. Simian</u> , <u>C. Simian</u> , I. Moasil, I. Pah, <i>Computer Mediated Communication and Collaboration in a Virtual Learning Environment Based on a Multi-Agent System with Wasp-Like Behavior</i>
17:00 - 17:25	F. Guinand, <u>Y. Pigné</u> , <i>An Ant-Based Model for Multiple Sequence Alignment</i>
17:25 - 17:50	<u>I. Moasil</u> , I. Pah, D. Simian, C. Simian, <i>Ant Colony Model for a Virtual Educational Environment Based on a Multi-Agent System</i>
17:50 - 18:15	C. Pintea, C. Chira, D. Dumitrescu, <u>P. Pop</u> , <i>A Sensitive Robot Metaheuristic for Complex Applications</i>

Thursday, June 7, Parallel Sessions	
Lecture Hall B	
08:55 - 10:10	<i>Special Session on "Advances in Optimization, Control and Reduced Order Modeling"</i>
Chairman	P. Bochev
08:55 - 09:20	J. Badía, P. Benner, R. Mayo, E. Quintana-Ortí, G. Quintana-Ortí, <u>A. Remón</u> , <i>Parallel Implementation of LQG Balanced Truncation for Large-Scale Systems</i>
09:20 - 09:45	A. Cuyt, O. Salazar-Celis, <u>B. Verdonk</u> , <i>Rational Approximation of Vertical Segments with Applications in IIR Filter Design</i>
09:45 - 10:10	V. Vesselinov, <i>Real-Time Model Development and Inversion Coupled with Real-Time Data Collection Control</i>
Lecture Hall C	
08:55 - 10:10	<i>Special Session on "Robust Multilevel and Hierarchical Preconditioning Methods"</i>
Chairman	J. Kraus
08:55 - 09:20	<u>P. Arbenz</u> , C. Flaig, <i>Effects of Smoothing Surfaces on Voxel Based Finite Element Analysis of Trabecular Bone</i>
09:20 - 09:45	<u>J. Brannick</u> , L. Zikatanov, <i>Multigrid Methods for Lattice Fermions</i>
09:45 - 10:10	<u>D. Lukáš</u> , J. Kraus, <i>Shape Optimization in 2-Dimensional Magnetostatics Using a Fixed Grid Approach and Algebraic Multigrid</i>
Coffee Break	
Lecture Hall B	
10:40 - 11:55	<i>Special Session on "Monte Carlo: Tools, Applications, Distributed Computing"</i>
Chairman	I. Dimov
10:40 - 11:05	M. Mascagni, <i>SPRNG: A Scalable Library for Pseudorandom Number Generation, Recent Developments</i>
11:05 - 11:30	V. Alexandrov, I. Dimov, <u>R. Papancheva</u> , C. Weihrauch, <i>Monte Carlo Numerical Treatment of Large Linear Algebra Problems</i>
11:30 - 11:55	<u>R. Alt</u> , J.-L. Lamotte, S. Markov, <i>Numerical Study of Algebraic Problems Using Stochastic Arithmetic</i>
11:55 - 12:20	<u>C. Resteanu</u> , M. Andreica, I. Vaduva, <i>Monte Carlo Simulation for Reliability Centered Maintenance Management</i>
Lecture Hall C	
10:40 - 12:20	<i>Special Session on "Control Systems"</i>
Chairman	A. Dontchev
10:40 - 11:05	U. Felgenhauer, <i>Lipschitz Stability of Broken Extremals in Bang-Bang Control Problems</i>
11:05 - 11:30	P. Petkov, A. Yonchev, N. Christov, <u>M. Konstantinov</u> , <i>Numerical Methods for Robust Control</i>
11:30 - 11:55	R. Bultmann, J. P. Caulkins, G. Feichtinger, <u>G. Tragler</u> , <i>Modeling Supply Shocks in Optimal Control Models of Illicit Drug Consumption</i>
11:55 - 12:20	I. Chrysoverghi, J. Geiser, <i>Descent-Penalty Methods for Relaxed Nonlinear Elliptic Optimal Control Problems</i>
Lunch Break	
14:00-19:00	<i>EXCURSION</i>

Friday, June 8, Plenary Talks	
Lecture Hall A	
Chairman	O. Axelsson
08:30 - 09:10	B. Philippe, <i>Domain Decomposition and Convergence of GM-RES</i>
09:10 - 09:50	L. Grüne, <i>Numerical Optimization Based Stabilization: from Hamilton-Jacobi-Bellman PDEs to Receding Horizon Control</i>
09:50 - 10:30	Z. Zlatev, <i>Parallelization of Data Assimilation Modules</i>
Coffee Break	
Friday, June 8, Parallel Sessions	
Lecture Hall A	
11:00 - 12:40 <i>Special Session on "Operator Splittings, Their Application and Realization"</i>	
Chairman	I. Faragó
11:00 - 11:25	C. Christov, <u>R. Marinova</u> , T. Marinov, <i>Identifying the Stationary Flow Regimes at High Reynolds Numbers</i>
11:25 - 11:50	P. Simon, <i>Large Matrices Arising in Travelling Wave Bifurcations</i>
11:50 - 12:15	B. Nagy, <i>Limit Cycles and Bifurcations in a Biological Clock Model</i>
12:15 - 12:40	L. Antonelli, <u>P. D'Ambra</u> , F. Gregoretti, G. Oliva, P. Belardini, <i>A Parallel Combustion Solver within an Operator Splitting Context for Engine Simulations on Grids</i>
Lecture Hall B	
11:00 - 12:40 <i>Contributed Talks</i>	
Chairman	I. Lirkov
11:00 - 11:25	C. León, S. Martín, <u>G. Miranda</u> , C. Rodríguez, J. Rodríguez, <i>Parallelizations of the Error Correcting Code Problem</i>
11:25 - 11:50	I. Angelova, <u>L. Vulkov</u> , <i>Uniform Convergence of Finite-Difference Schemes for Reaction-Diffusion Interface Problems</i>
11:50 - 12:15	J. Kandilarov, <u>M. Koleva</u> , L. Vulkov, <i>A Second-Order Cartesian Grid Finite Volume Technique for Elliptic Interface Problems</i>
12:15 - 12:40	I. Brayanov, <u>J. Kandilarov</u> , M. Koleva, <i>Immersed Interface Difference Schemes for a Parabolic-Elliptic Interface Problem</i>
Lecture Hall C	
11:00 - 12:40 <i>Special Session on "Control Systems"</i>	
Chairman	L. Grüne
11:00 - 11:25	A. Dontchev, <i>Radius Theorems and Conditioning</i>
11:25 - 11:50	N. Dyn, <u>E. Farkhi</u> , A. Mokhov, <i>Metric Linear Operators for Set-Valued Functions Approximation and Integration</i>
11:50 - 12:15	R. Baier, <i>Calculation of Attainable Sets for Linear Control Problems by Fliess Expansions</i>
12:15 - 12:40	<u>N. Apreutesei</u> , G. Dimitriu, <i>Optimal Control for Lotka-Volterra Systems with a Hunter Population</i>
Lunch Break	

Friday, June 8, Parallel Sessions	
Lecture Hall A	
14:00 - 15:15 <i>Special Session on "Operator Splittings, Their Application and Realization"</i>	
Chairman	R. Marinova
14:00 - 14:25	<u>I. Faragó, Á. Havasi</u> , <i>Adaptive Operator Splitting Schemes</i>
14:25 - 14:50	<u>K. Georgiev, M. Mincsovcics</u> , <i>Qualitatively Correct Discretizations in an Air Pollution Model</i>
14:50 - 15:15	<u>C. F�evri�ere, P. Angot, P. Poullet</u> , <i>A Penalty Projection Method Using Staggered Grids for Incompressible Flows</i>
Lecture Hall B	
14:00 - 15:15 <i>Special Session on "Robust Multilevel and Hierarchical Preconditioning Methods"</i>	
Chairman	M. Neytcheva
14:00 - 14:25	I. Georgiev, <u>J. Kraus</u> , S. Margenov, <i>Multilevel Preconditioning of Rotated Trilinear Non-Conforming Finite Element Problems</i>
14:25 - 14:50	J. Synka, <i>Robust Hierarchical Splittings of Crouzeix-Raviart Finite Element Spaces with Application to Multilevel Preconditioning</i>
14:50 - 15:15	J. Kraus, <u>S. Tomar</u> , <i>A Multilevel Method for Discontinuous Galerkin Approximation of Three-Dimensional Anisotropic Elliptic Problems</i>
Lecture Hall C	
14:00 - 15:15 <i>Contributed Talks</i>	
Chairman	S. Dimova
14:00 - 14:25	N. Petrovskaya, <i>Error Estimates for Grid Adaptation to a Vector Solution</i>
14:25 - 14:50	<u>H. Kojouharov, D. Dimitrov</u> , <i>Qualitatively Stable Nonstandard Finite Difference Methods</i>
14:50 - 15:15	I. Georgieva, <u>R. Uluchev</u> , <i>Surface Reconstruction and Lagrange Basis Polynomials</i>
Coffee Break	

Friday, June 8, Parallel Sessions	
Lecture Hall A	
15:45 - 18:05 <i>Special Session on "Environmental Modelling"</i>	
Chairman	Z. Zlatev
15:45 - 16:10	S. Pott, <u>W. Joppich</u> , <i>A Semi-Lagrangian Mass-Integrating Transport Algorithm Using the GME Grid</i>
16:10 - 16:35	<u>G. Dimitriu</u> , N. Apreutesei, <i>Comparative Study with Data Assimilation Experiments Using Proper Orthogonal Decomposition Method</i>
16:35 - 17:00	C. Sahin, <u>C. Weihrauch</u> , I. Dimov, V. Alexandrov, <i>A Collaborative Computing Environment for a Large Scale Environmental Model</i>
17:00 - 17:25	<u>R. Kohut</u> , J. Starý, A. Kolcun, <i>The Evaluation of the Thermal Behaviour of an Underground Repository of the Spent Nuclear Fuel</i>
17:25 - 17:50	<u>K. Ganey</u> , D. Syrakov, Z. Zlatev, <i>Effective Indices for Emissions from Road Transport</i>
17:50 - 18:05	R. San Jose, <i>Information about the COST602 EU programme</i>
Lecture Hall B	
15:45 - 17:45 <i>Special Session on "Robust Multilevel and Hierarchical Preconditioning Methods"</i>	
Chairman	S. Margenov
15:45 - 16:20	S. Margenov, <u>M. Neytcheva</u> , <i>Algebraic Multilevel Iteration (AMLI) Methods: Historical Overview, Recent Developments and Challenges</i>
16:20 - 16:45	E. Bängtsson, M. Neytcheva, <i>Reducing the Complexity for AMLI Methods</i>
16:45 - 17:20	R. Blaheta, <i>Applications of Hierarchical Decomposition in Preconditioners and Error Estimates</i>
17:20 - 17:45	I. Pultarová, <i>Energy Based A Posteriori Error Estimates for Elliptic Problems and Bilinear Hierarchical Bases</i>
Lecture Hall C	
15:45 - 18:15 <i>Special Session on "Control Systems"</i>	
Chairman	U. Felgenhauer
15:45 - 16:10	V. Gaitsgory, <i>Occupational Measures Approach to Deterministic Long Run Average Problems of Optimal Control: Duality and Construction of Numerical Solutions</i>
16:10 - 16:35	T. Filippova, <u>E. Berezina</u> , <i>On State Estimation Approaches for Uncertain Dynamical Systems with Quadratic Nonlinearity: Theory and Computer Simulations</i>
16:35 - 17:00	<u>S. Pickenhain</u> , V. Lykina, <i>Optimal Control with Infinite Horizon</i>
17:00 - 17:25	R. Goetz, N. Hritonenko, <u>A. Xabadia</u> , Y. Yatsenko, <i>Using the Escalator Boxcar Train to Determine the Optimal Management of a Size-Distributed Forest when Carbon Sequestration is Taken into Account</i>
17:25 - 17:50	N. Caroff, <i>Multicriteria Optimal Control and Vectorial Hamilton-Jacobi Equation</i>
17:50 - 18:15	<u>C. O. Tarniceriu</u> , V. Veliov, <i>Optimal Control of Size-Structured Systems</i>
19:30	<i>CONFERENCE DINNER</i>

Saturday, June 9, Parallel Sessions	
Lecture Hall B	
09:00 - 10:40 <i>Special Session on "Control Systems"</i>	
Chairman	T. Filippova
09:00 - 09:25	T. Donchev, <i>Approximation of the Solution Set of Impulsive Systems</i>
09:25 - 09:50	A. Marigonda, <i>Regularity Properties of the Minimum Time Function for a Class of Linear Control Problems</i>
09:50 - 10:15	<u>R. Rozenov</u> , M. Krastanov, <i>On Optimal Redistributive Capital Income Taxation</i>
10:15 - 10:40	N. Pulova, <i>Runge-Kutta Schemes in Control Constrained Optimal Control</i>
Lecture Hall C	
09:00 - 11:30 <i>Special Session on "Application of Metaheuristics to Large-Scale Problems"</i>	
Chairman	S. Fidanova
09:00 - 09:25	E. Alba, <u>G. Molina</u> , <i>Optimal Wireless Sensor Network Layout with Metaheuristics: Solving a Large Scale Instance</i>
09:25 - 09:50	K. Penev, <i>Adaptive Heuristic Applied to Large Constraint Optimization Problem</i>
09:50 - 10:15	O. Roeva, <i>Parameter Estimation of a Monod-Type Model Based on Genetic Algorithm and Sensitivity Analysis</i>
10:15 - 10:40	F. Wysocka-Schillak, <i>Design of 2-D Approximately Zero-Phase Separable IIR Filters Using Genetic Algorithm</i>
10:40 - 11:05	<u>M. Nikolov</u> , V. Behar, <i>Simulated Annealing Optimization of Multi-Element Synthetic Aperture Imaging System</i>
11:05 - 11:30	L. Capacho, R. Pastor, <u>L. Ferrer</u> , <i>A Metaheuristic Approach to Solve the ASALBP: an Assembly Line Balancing Problem Involving Assembly Alternatives</i>
Lunch Break	
13:00	<i>DEPARTURE</i>