

International Congress on Mathematics MICOM-2015

Congress Program

TIME	Tuesday September 22, 2015
16:00-17:00	Registration
	<p style="text-align: center;">OPENING CEREMONY ROOM 1</p> <p style="text-align: center;">Chair: A. Fellouris, P. Kenderov, A. Lipkovski</p>
17:00-17:40	Welcome Addresses
17.40-18.30	<p style="text-align: center;">Plenary Lecture Dr. Antonios Melas</p> <p style="text-align: center;">Professor, Department of Mathematics, University of Athens</p> <p style="text-align: center;">“Sharp norm estimates for the dyadic maximal operator and Bellman functions”</p>
18.30-19.00	Coffee Break
19.00-20.15	<p style="text-align: center;">Session dedicated to Christos Papakyriakopoulos and Stefan Dodunekov»</p> <p style="text-align: center;">Tribute to Christos Papakyriakopoulos</p> <ul style="list-style-type: none"> • Sofia Lambropoulou, Professor, School of Applied Mathematical and Physical Sciences, National Technical University of Athens • Andriani Nikolakopoulou, University of Ioannina • Stavros Papastavridis, Emeritus Professor Department of Mathematics, University of Athens
20.15-21.00	<p style="text-align: center;">Tribute to Stefan Dodunekov</p> <ul style="list-style-type: none"> • Petar Kenderov, Professor, Bulgarian Academy of Science

Wednesday September 23, 2015			
Morning			
TIME	ROOM 1 Chair: K.Kiriaki, V. Manova- Erakovic, M. Choban		ROOM 2 Chair: I. Mirchev, P. Boyvalenkov
09:00- 09:20	On functional equivalence of spaces Mitrofan Choban, Radu Dumbraveanu	09:00- 09:30	Classification of optimal binary cyclically permutable constant weight codes of weight 6 and 7 and small length Tsonka Baicheva, Svetlana Topalova
09:20- 09:40	Some extension theorems of the type of Hahn-Banach for skew symmetric 2-forms on cycle 2-subspaces and kernel 2-subspaces Aleksa Malcheski, Vesna Manova- Erakovic, Risto Malcheski	09:30- 10:00	On t -deletion-correcting codes of length $2t+3$ Emil Kolev
09:40- 10:00	Some properties of C-distribution semi-groups and C-ultradistribution semigroups in locally convex spaces Marko Kostić, Stevan Pilipović, Daniel Velinov		
10:00- 10:20	The thermoelastic multiple scattering problem E.Argyropoulos, E. Argyropoulou, K. Kiriaki	10:00- 10:30	Enumeration of the elements of $GF(2^n)$ with related trace and co-trace Yuri Borissov
10:20- 10:40	Nonlinear double resonant periodic problems with p-Laplacian Sophia Th. Kyritsi, Evgenia H. Pappageorgiou	10:30- 11:00	Linear programming bounds for the mesh ratio of spherical designs Peter Boyvalenkov Peter Dragnev, Douglas Hardin, Edward Saff, Maya Stoyanova
10:40- 11:00	Matrix theorems and interchange for lattice group-valued series in the filter convergence setting Antonio Boccuto, Xenofon Dimitriou		
11:00- 11:30	Coffee Break		
11:30- 11:50	On the higher order Sylvester Quaternion equation $aq^n + q^nb=c$ Anargyros Fellouris, Andreas Boukas	11:30- 12:00	Inequivalent optimal properties of the binary/ternary covering codes Emil Kolev
11:50- 12:10	Some notes on the periodic distributions Nikola Reckoski, Vasko Reckovski, Vesna Manova-Erakovic		
12:15- 13:15	ROOM 1 Plenary Lecture Emmanouil Georgoulis, Associate Professor , School of Applied Mathematical and Physical Sciences, National Technical University of Athens “Adaptive numerical methods for evolution partial differential equations”		
		15:00- 16:00	Discussion

Wednesday September 23, 2015			
Afternoon			
TIME	ROOM 1 Chair: N. Papanastasiou, P. Psarrakos, F. Damian		ROOM 2 Chair: F. Kalavasis, D. Lappas, D. Kamber
17:00- 17:20	Order of Zeta functions for compact even- dimensional symmetric spaces M. Avdispahic, Dz. Gusic and D. Kamber	16:00- 17:20	WORKSHOP Systemic investigations in mathematics education Andreas Moutsios-Rentzos, Fragkiskos Kalavasis
17:20- 17:40	Minkowski space-time and hyperbolic geometry J.F. Barrett	17:20- 17:40	When should we teach the Thales' intercept theorem? Aleksandar Lipkovski
1740- 18:00	Hyperbolic manifolds built on the geometry of their cusps Florin Damian	17:40- 18:00	On aspects of teaching the "rate of change" in different educational grades by means of current educational software Dimitra Remoundou, Evgenios Avgerinos
18:00- 18.30	Coffee Break		
18:30- 18.50	The parametric approach to the Architectural problem of projecting higher dimensional hypercubes in R^3 its correlation with the tessellation of a plane Ioannis Z. Emiris, Nikos Kourniatis	18:30- 18.50	Number Theory in Byzantium according to codex Vindobonensis Phil.Graecus 65 of the 15 th cent. The numbers and the numeric position in Byzantium Chalkou Maria
18.50- 19.10	Unwrappings of developable surfaces via closed-form formulas Dimitrios Kodokostas	18.50- 19.10	Differentiated instruction in College lessons D. Kamber, Dz. Gusic
19.10- 19.30	Pythagorean triples and their algebraic structure Milan Živanović, Aleksandar Lipkovski	19.10- 19.30	Working with talented young mathematicians in the RCT "Mihajlo Pupin" Pancevo - motive as the basic principle of achievement Dragoljub A. Cucić, Aleksandar S. Nikolić, Savo Čebić, Mirko Dejić
19.30- 19.50	Birkhoff-James approximate orthogonality sets Christos Chorianopoulos, Panayiotis J. Psarrakos	19.30- 19.50	On new instructional practices and theoretical context for teaching the notion of fractions through the theory of multiple representations Avgerinos Evgenios, Vlachou Roza

Thursday September 24, 2015			
Morning			
TIME	ROOM 1 Chair: I. Antoniou, P. Vlamos, A. Lipkovski		ROOM 2 Chair: T. Baicheva, E. Kolev
09:00-09:20	Heuristic algorithm for HP folding in HP model Nikola Yanev, Peter Milanov, Borislav Yurukov, Ivan Trenchev, Metodi Traykov	09:00-09:30	Binary isodual codes having an automorphism of odd prime order Stefka Bouyuklieva
09:20-09:40	Steganography based on chaotic torus automorphisms George Makris, Ioannis Antoniou	09:30-10:00	Simulated annealing type algorithms for packing spherical caps Victor Baytchev, Peter Boyvalenkov, Konstantin Delchev, Yavor Papazov
09:40-10:00	Metaheuristic algorithms for routing problems: from the travelling salesman problem to the inventory routing problem Pantelis Z. Lappas, Manolis N. Kritikos, George D. Ioannou		
10:00-10:20	High performance computing on Bioinformatics Anton Stoilov, Borislav Yurukov	10:00-10:30	On the automorphism group of regular parallelisms of PG(3; 7) Svetlana Topalova, Stela Zhelezova
10:20-10:40	Computer graphics's application in Bioinformatics Ivan Trenchev, Radoslav Mavrevski, Anton Stoilov, Metodi Traykov, Borislav Yurukov	10:30-11:00	Coding theory and Cryptography teaching in the Bulgarian universities a dedication to Stefan Dodunekov Peter Boyvalenkov, Ivan Mirchev
10:40-11:00	Minimal surfaces and form finding of architectural designs Jana Lipkovski, Florian Weinmann, Aleksandar Lipkovski		
11:00-11:30	Coffee Break		
11:30-11:50	The role of bifurcation diagrams for the prediction of the behavior of nonlinear deterministic models in Bioinformatics Panagiotis Vlamos	11:30-12:00	Investigation of "optimal" properties of the contemporary genetic codes according to simple mutation Peter Milanov, Ivan Trenchev, Ivan Mirchev, Borislav Yurukov
11:50-12:10	Fuzzy Logic and Genetic Algorithms : a multidisciplinary approach Elena Vlamou, Basil Papadopoulos	12:00-12:30	On DNA codes and additive codes over GF(4) Zlatko Varbanov
12:10-12:30	The supply chain network design problem: quantitative approaches to managing operational and disruption risks Pantelis Z. Lappas, Manolis N. Kritikos	12:30-12:45	New quasi-cyclic codes over GF(11) Rumen Daskalov
		12:45-13:00	New large (n, r)-arcs in PG(2,31) Rumen Daskalov, Elena Metodieva
		15:00-16:00	Discussion

Thursday September 24, 2015 Afternoon			
ROOM 1 Chair: N. Alexandris, P. Kenderov, I. Emmanouil			
17.00- 18.00	Plenary Lecture Mladen Savov Associate Professor, Bulgarian Academy of Sciences "The spectral theory of generalized Laguerre semigroups and its applications to positive self-similar Markov processes"		
18.00- 18.30	Coffee Break		
TIME	ROOM 1 Chair: N. Alexandris, P. Kenderov, I. Emmanouil		ROOM 2 Chair: S. Karanasios, E. Kritikos,
18:30- 18:50	Some tail index estimators and their properties Lenka Glavaš, Jelena Jocković, Pavle Mladenović	18:30- 18:50	Enumerators of ordered colorings of graphs Tanja Stojadinović
18:50- 19:10	On birth – death circuit chains Ganatsiou Chrysoula	18:50- 19:20	Groebner bases and tiling problems Manuela Muzika Dizdarevic
19.10- 19:30	The Hausdorff distance as a criterion for the optimal model selection in torque-angle relationships Radoslav Mavrevski, Gergana Koroleova, Nevena Pencheva, Peter Milanov, Borislav Yurukov	19.20- 19:40	Finite rings and their structural graphs Jelena Škorić, Aleksandar Lipkovski
19:30- 19:50	Determination of the relationship between the docking studies and the biological activity of delta selective enkephalin analogues Fatima Sapundzhi, Tatyana Dzimbova, Nevena Pencheva, Peter Milanov	19.40- 20.00	Research towards an Institution Independent Model Theory Yiannis Kiouvrekis, Stefaneas Petros
20.30	Official Dinner Hotel President		

	Friday September 25, 2015
	Optional Excursion (Cruise to Poros-Ydra-Agina)
	Saturday September 26, 2015
	Departure Day