

*Faculty of Mathematics and Computer Science, Ovidius University Constanta,
Simion Stoilow Institute of Mathematics of the Romanian Academy, Bucharest,
Romanian Mathematical Society Constanta Branch*

Workshop for Young Researchers in Mathematics

9 – 10 Mai 2013

<http://math.univ-ovidius.ro/Workshop/2013/WYRM/>

PROGRAM

Registration: 9 mai, 08.15-08.30, Universitatea “Ovidius”, Constanta, Sala P5

Algebra, Number Theory, Algebraic Geometry, Geometry and Topology Section

Lucrarile acestei sectiuni vor avea loc in Sala E8

Joi, 09.05.2013

08.30–08.45	OPENING, Sala E8	
Chairman: Denis IBADULA		
09:00-09.40	Alexandru POPA	A simple proof of the Eichler-Selberg trace formula for congruence subgroups
09:40-09:50	Pauza	
9:50-10:30	Adrian CLINGHER	Elliptic K3 Surfaces - Some Geometry Inspired by String Theory
10:30-11:00	Pauza de cafea, Sala P5	
Chairman: Alexandru POPA		
11:00-11:40	Vicentiu PASOL	Higher moments for quadratic Dirichlet L-functions
11:40-11:50	Pauza	
11:50-12:30	Adrian DIACONU	On Higher Moments of Quadratic Dirichlet L-Functions II

12:30-15:00 Pauza de pranz

<i>Chairman: Sergiu MOROIANU</i>		
15.00 - 15:40	Anca-Daniela MACINIC	<i>Algebre de tip Orlik-Solomon</i>
15:40-15:45	Pauza	
15:45 – 16:25	Ana-Loredana AGORE	<i>Produse bicrossed pentru algebre Hopf. Aplicatii</i>
16:25 - 16:45	Pauza de cafea, Sala P5	

<i>Chairman: Anca Daniela MACINIC</i>		
16:45 - 17:25	Dumitru STAMATE	<i>Asupra proprietatii IC a conului tangent al unui inel toric</i>
17:25-17.30	Pauza	
17:30 – 18:10	Anda OLTEANU	<i>The Buchberger Resolution</i>
Welcome Dinner — <i>Restaurant Café-Café</i>		

Vineri, 10.05.2013

Chairman: Marian APRODU		
09:00-09.40	Sergiu MOROIANU	Problema Cauchy pentru metrice Einstein riemaniene si spinori paraleli
09:40-09:50	Pauza	
9:50-10:30	Gabriel BADITOIU	Classification of pseudo-Riemannian submersions with totally geodesic fibres from pseudo-hyperbolic spaces
10:30-11:00	Pauza de cafea, Sala P5	
Chairman: Adrian CLINGER		
11:00-11:40	Alice Monica APRODU	Aplicatii si morfisme armonice
11:40-11:50	Pauza	
11:50-12:30	Marian APRODU	Fibratie vectoriale in geometria varietatilor proiective

12:30-15:00 Pauza de pranz

<i>Chairman: Vicentiu PASOL</i>		
15.00 - 15:40	Nicolae Ciprian BONCIOCAT	<i>Rezultanti, numere prime si polinoame ireductibile</i>
15:40-15:55	Pauza	
15:55 – 16:35	Radu-Clement	<i>O prezentare simpla a grupului corpului cu</i>

	POPESCU	<i>manere in gen 2</i>
16:35 - 16:45	Pauza	
<i>Chairman: Monica APRODU</i>		
16:45-17.25	Liviu-Constantin HOLDON	<i>Latici reziduate distributive necomutative</i>

Analysis & PDE's Section

Lucrarile acestei sectiuni vor avea loc in Sala AB1

Joi, 09.05.2013

08.30–08.45	OPENING, Sala E8	
Chairman: Constantin COSTARA		
09:00-09.40	Eugen MIHAILESCU	Dimension theory and dynamics for hyperbolic systems
9:40-9:50	Pauza	
9:50-10:30	Nicolae MIHALACHE-CIURDEA	Metric properties of mean wiggly continua
10:30-11:00	Pauza de cafea, Sala P5	
Chairman: Eugen MIHAILESCU		
11:00-11:40	Liviu PAUNESCU	Grupuri si algebre liniar sofice
11:40-11:50	Pauza	
11:50-12:30	Ramona ANTON	About the minimizer of the Ginzburg-Landau energy on the exterior of a 3D ball

12:30-15:00 Pauza de pranz

Chairman: Cristian BEREANU		
15.00 - 15:40	Aurora-Mihaela MARICA	Uniform observability properties for discrete waves on non-uniform concave meshes.
15:40-15:45	Pauza	
15:45 – 16:25	Cristian CAZACU	On the first eigenvalue of a degenerate Sturm-Liouville problem
16:25 - 16:45	Pauza de cafea, Sala P5	
Chairman: Ramona ANTON		
16:45 - 17:25	Cristian BEREANU	Dirichlet problems with the mean curvature operator in Minkowski space

17:25-17:30	Pauza	
17:30 – 18:10	Dana-Simona BEREANU	<i>Periodic solutions for singular perturbations of the relativistic operator</i>
Welcome Dinner — <i>Restaurant Café-Café</i>		

Vineri, 10.05.2013

Chairman: Andaluzia-Cristina MATEI		
09:00 – 09:40	Nicusor COSTEA	<i>Differential inclusions depending on a real parameter</i>
9:40-9:50	Pauza	
09:50 – 10:30	Denisa STANCU DUMITRU	<i>PDEs involving an anisotropic variable exponent operator.</i>
10:30 – 11:00	Pauza de cafea, Sala P5	
Chairman: Denisa STANCU DUMITRU		
11:00 – 11:40	Andaluzia-Cristina MATEI	<i>A unilateral contact model and its weak solvability by a new variational approach. A review of recent results</i>
11:40 – 11:50	Pauza	
11:50 – 12:30	Loredana SMARANDA	<i>Numerical analysis in fluid-structure interaction problems</i>