

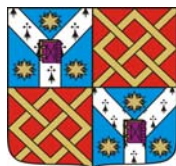
University Alexandru Ioan Cuza
Faculty of Mathematics

**“Alexandru Myller”
Mathematical Seminar
Centennial Conference**

Programme

Iași, June 21-26, 2010

Organizers:



Faculty of Mathematics of "Al. I. Cuza" University of Iași



"Octav Mayer" Mathematical Institute of the Romanian Academy

With the support of:



"Al. I. Cuza" University of Iași



The Foundation of „Alexandru Myller” Mathematical Seminar



National Authority for Scientific Research



County Council of Iași



City Hall of Iași



Dedeman Company

“Alexandru Myller” Mathematical Seminar Centennial Conference

PROGRAMME

Sunday, June 20, 18.00 – 20.00; Monday, June 21, 08.30 – 12.00: Registration, “Catedra de Geometrie”, main building of the university, 1st floor (above the main entrance)

Monday, June 21

10.00 – 10.30	Opening session, Aula Magna “Mihai Eminescu”, “Al. I. Cuza” University		
10.30 – 11.30	Constantin Corduneanu		
11.30 – 12.00	Cocktail		
	Session I (Amf. “Al. Myller)	Session II (Amf. II.4 “O. Mayer”)	Session III (Room 2.1)
15.00 – 15.45	Dan Papuc	Cristinel Mardare	Eugen Grebenikov
15.45 – 16.05	Cabiria Andreian	Nicolae Jitărășu	Adina Ciomaga
16.05 – 16.25	Ion Valuță	Adrian Petrușel	Silvia-Otilia Corduneanu
16.25 – 16.50	Coffee break	Coffee break	Coffee break
16.50 – 17.10	Tiberiu Postelnicu	Liviu Popescu	Radu Păltănea
17.10 – 17.30	Petru Soltan	Oana Constantinescu	Yoshihiro Hamaya
17.30 – 17.50	Mircea Cazacu	Cristian Ida	Constantin Udriște
17.50 – 18.10	Rong Yuan	Simona-Luiza Druță	Bianca Satco
18.10 – 18.30	Anca Croitoru	Constantin Arcuș	Ștefan Cobzaș

Tuesday, June 22

9.00 – 10.00	Dan Burghilea		
10.00 – 10.45	Mauro Fabrizio		
10.45 – 11.15	Coffee break		
11.15 – 12.00	Eleny Ionel		
12.00 – 12.45	Dan Tiba		
The morning session will be hosted by the Conference Hall of the Romanian Academy, Bd. Carol I, nr. 6			
	Session I (Amf. “Al. Myller)	Session II (Amf. II.4 “O. Mayer”)	Session III (Room 2.1)
15.00 – 15.45	Gabriela Marinoschi	Aurel Bejancu	Mitrofan Cioban
15.45 – 16.05	Orest Iftime	Matias Dahl	Sergiu Rudeanu
16.05 – 16.25	Ioan Bejenaru	Dragoș Hrimiuc	Violeta Fotea
16.25 – 16.50	Coffee break	Coffee break	Coffee break
16.50 – 17.10	Nicolae Dăneț	Nicoleta Aldea	Zoltan Mako
17.10 – 17.30	Dan Goreac	Mihai Anastasiei	George Ceaușu
17.30 – 17.50	Mihai Grădinaru	Gheorghe Munteanu	Parascovia Syrbu
17.50 – 18.10	Eugen Păltănea	Florian Munteanu	Ioan Tofan

19.00: Excursion: Iași city tour, offered by the “Al. I. Cuza” University

Wednesday, June 23

9.00 – 10.00	Solomon Marcus		
10.00 – 10.45	Michael Röckner		
10.45 – 11.15	Coffee break		
11.15 – 12.00	Liviu Nicolaescu		
12.00 – 12.30	Poster session (see the last page)		
The morning session will be hosted by the Conference Hall of the Romanian Academy, Bd. Carol I, nr. 6			
	Session I (Amf. “Al. Myller)	Session II (Amf. II.4 “O. Mayer”)	Session III (Room 2.1)
15.00 – 15.45	Sorin Istrail	Pierre Dèbes	Moshe Marcus
15.45 – 16.05	Radu Cașcaval	Florin Rădulescu	Vasile Berinde
16.05 – 16.25	Dan Simovici	Lucia Di Vizio	Ioan A. Rus
16.25 – 16.50	Coffee break	Coffee break	Coffee break
16.50 – 17.10	Mihai Bostan	Marco Garuti	Cristian Bereanu
17.10 – 17.30	Vasile Sinescu	Șerban Basarab	Chuan yi Zhang
17.30 – 17.50	Gabriel Ciobanu	Ulf Kühn	Julia Salamon
17.50 – 18.10	Răzvan Fetecău	Marian Aprodu	Monica Ciobanu

19.00: Botanical Garden: Traditional folkloric show with outdoor dinner

Thursday, June 24

9.00 – 10.00	Philippe G. Ciarlet			
10.00 – 10.45	Daniel Tătaru			
10.45 – 11.15	Coffee break			
11.15 – 12.00	José I. Burgos Gil			
12.00 – 12.45	Giuseppe Da Prato			
The morning session will be hosted by the Conference Hall of the Romanian Academy, Bd. Carol I, nr. 6				
	Session I (Amf. “Al. Myller)	Session II (Amf. II.4 “O. Mayer”)	Session III (Room 2.1)	Section IV (Conference Room)
15.00 – 15.45	Stan Chiriță	Hajime Urakawa	Nicolae Pavel	
15.45 – 16.05	Cătălin Galeș	Cezar Oniciuc	Radu Miculescu	Aurel Rășcanu
16.05 – 16.25	Daniel Vasiliu	Monica A. Aprodu	Narcisa Apreutesei	Diomande Bakarime
16.25 – 16.50	Coffee break	Coffee break	Coffee break	Coffee break
16.50 – 17.10	Eugen Vărvărucă	Ivko Dimitric	Constantin Niculescu	Tianyang Nie
17.10 – 17.30	Sanda Țigoiu	Nero Budur	Andreea Grigoriu	Adrian Zălinescu
17.30 – 17.50	Sorin Mardare	Nicolae Anghel	Lotfi Boudjenah	Hanbing Liu
17.50 – 18.10	Florica Dragomirescu	Florin Damian	Aurelian Bejancu	Eduard Rotenstein

19.00: Conference Dinner, CIRC Restaurant, offered by the County Council of Iași

Friday, June 25

9.00 – 10.00	Izu Vaisman		
10.00 – 10.45	Vasile Brînzănescu		
10.45 – 11.15	Coffee break		
11.15 – 12.00	Alfredo Lorenzi		
12.00 – 12.45	Dorin Ieșan		
The morning session will be hosted by the Conference Hall of the Romanian Academy, Bd. Carol I, nr. 6			
	Session I (Amf. “Al. Myller)	Session II (Amf. II.4 “O. Mayer”)	Session III (Room 2.1)
15.00 – 15.20	Mihai Turinici	Ilie Burdujan	Marius Beceanu
15.20 – 15.40	Rodica Luca Tudorache	Afrodita Iorgulescu	Marius Munteanu
15.40 – 16.00	Monica Luran	Ion Goian	Constantin Băcuță
16.00 – 16.20	Christiane Godet-Thobie	Dan Papuc	Galina Rusu
16.20 – 16.50	Coffee break	Coffee break	Coffee break
16.50 – 17.10	Gabriel Prăjitură	Constantin Călin	Daniel Cibotaru
17.10 – 17.30	Marcelina Mocanu	Cornelia-Livia Bejan	Vasile Glavan
17.30 – 17.50	Dragoș-Pătru Covei	Abdenacer Makhoulouf	Valeriu Guțu
17.50 – 18.10	George Popescu	Ioana Mașca	Vasile Postolică
18.10 – 18.30	Gabriela Apreutesei	Ana-Irina Nistor	Iulian Stoleriu

Saturday, June 26 : Excursion, North of Moldavia

Poster session, Wednesday, June 23 :

Cristina Băcuță
Michael Bărbosu
Mircea Bîrsan
Sorin Botezat
Emilian Bulgariu
Monica Burlică, Daniela Roșu
Anne-Marie Burtea
Irina Căpraru
Dumitrel Ghiba
Liliana Guran
Bogdan Heroiu
Cristina-Elena Hrețcanu
Masaki Jyumonji
Alina Lazu
Laura Munteanu
Mădălina Păcurar
Gabriela Petrușel
Victor Postolache
Adrian Sandovici
Radu Strugariu
Adrian Viorel

Monday, June 21

Plenary session

Aula Magna “M. Eminescu”, ”Al. I. Cuza” University

- 10.00 – 10.30: Opening ceremony
- 10.30 – 11.30: **Constantin Corduneanu** (University of Texas at Arlington, USA)
The Centennial of a Romanian Mathematical School (A Tribute to Its Founder, Professor Alexandru Myller)
- 11.30 – 12.00 *Cocktail*

Section I, Amf. “Al. Myller”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Dan Papuc** (West University of Timisoara, Romania)
Cercetări privind Programul de la Erlangen
- 15.45 – 16.05: **Cabiria Andreian** (“S. Stoilow” Institute of Mathematics, Bucharest, Romania)
Petru P. Caraman - one of the founders of the n - and ∞ -dimensional quasiconformality
- 16.05 – 16.25: **Ion Valuță** (Technical University of Moldova, Chișinău, Moldova)
Universitatea Al. I. Cuza: influențe asupra matematicii din estul apropiat
- 16.25 – 16.50 *Coffee break*
- 16.50 – 17.10: **Tiberiu Postelnicu** (Romanian Academy)
Remember personal contact with Professor Alexandru Myller
- 17.10 – 17.30: **Petru Soltan** (Academy of Sciences of Moldova)
TBA
- 17.30 – 17.50: **Mircea Cazacu** (“Simion Stoilow” Institute of Mathematics, Bucharest, Romania)
On the traveller wave potential
- 17.50 – 18.10: **Rong Yuan** (Beijing Normal University, P. R. China)
Asymptotic behavior of solutions to abstract functional differential equations
- 18.10 – 18.30: **Anca Croitoru** (“Al. I. Cuza” University, Iași, Romania)
Properties of a fuzzy type integral

Section II, Amf. II. 4 “O. Mayer”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Cristinel Mardare** (Université Pierre et Marie Curie - Paris 6, France)
Nonlinear Korn inequalities and applications
- 15.45 – 16.05: **Nicolae Jitărășu** (State University of Moldova)
On asymptotical representation of the singular solutions of elliptic equations near the boundary

- 16.05 – 16.25: **Adrian Petruşel** (“Babes-Bolyai” University, Cluj-Napoca, Romania)
Ulam stability of operatorial inclusions
- 16.25 – 16.50 *Coffee break*
- 16.50 – 17.10: **Liviu Popescu** (University of Craiova, Romania)
A study on compatible connections on Lie algebroids
- 17.10 – 17.30: **Oana Constantinescu** (“Al. I. Cuza” University, Iaşi, Romania)
Symmetries and first order variation for systems of ordinary differential equations
- 17.30 – 17.50: **Cristian Ida** (“Transilvania” University, Braşov, Romania)
A vanishing theorem for vertical tensor fields on complex Finsler bundles
- 17.50 – 18.10: **Simona-Luiza Druţă** (“Al. I. Cuza” University, Iaşi, Romania)
Einstein Tangent Sphere Bundles of Natural Diagonal Lifted Type
- 18.10 – 18.30: **Constantin Arcuş** (“C. Radu” Secondary School, Romania)
The generalized Lie algebroids and their applications

Section III, Room 2.1 “Mendel Haimovici”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Eugen Grebenikov** (Computing Centre of Russian Academy of Sciences, Moscow, Russia)
Mathematical problems in homographical dynamics
- 15.45 – 16.05: **Adina Ciomaga** (CMLA, ENS Cachan, France)
On the Strong Maximum Principle for Second Order Nonlinear Parabolic Integro-Differential Equations
- 16.05 – 16.25: **Sivia-Otilia Corduneanu** (“Gh. Asachi” University, Iaşi, Romania)
Convolution equations involving almost periodic functions
- 16.25 – 16.50 *Coffee break*
- 16.50 – 17.10: **Radu Păltănea** (“Transilvania” University, Braşov, Romania)
On weighted approximation
- 17.10 – 17.30: **Yoshihiro Hamaya** (Okayama University of Science, Japan)
Almost periodic solutions of nonlinear abstract Volterra differential equations with infinite delay
- 17.30 – 17.50: **Constantin Udrişte** (“Politehnica” University, Bucharest, Romania)
Multitime stochastic maximum principle
- 17.50 – 18.10: **Bianca Satco** (“Stefan cel Mare” University, Suceava, Romania)
A Cauchy problem on time scales with applications
- 18.10 – 18.30: **Ştefan Cobzaş** (Babes-Bolyai University, Cluj-Napoca, Romania)
Compactness in asymmetric locally convex spaces

Tuesday, June 22

Plenary session

Conference Hall, Romanian Academy

- 09.00 – 10.00: **Dan Burghilea** (Ohio State University, USA)
Dynamics, Topology and Spectral Geometry
- 10.00 – 10.45: **Mauro Fabrizio** (Università di Bologna, Italy)
A mathematical model for ice-water and liquid-vapor phase transitions
- 10.45 – 11.15 *Coffee break*
- 11.15 – 12.00 **Eleny Ionel** (Stanford University, USA)
Symplectic degenerations and Gromov-Witten invariants
- 12.00 – 12.45 **Dan Tiba** (“Simion Stoilow” Institute of Mathematics, Bucharest, Romania)
Finite element approximation for shape optimization problems with Neumann and mixed boundary conditions

Section I, Amf. “Al. Myller”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Gabriela Marinoschi** (Institute of Mathematical Statistics and Applied Mathematics, Bucharest, Romania)
A coefficient identification in a fast diffusion degenerate equation
- 15.45 – 16.05: **Orest Iftime** (University of Groningen, Netherlands)
On some aspects of the J -spectral factorization for distributed parameter systems
- 16.05 – 16.25: **Ioan Bejenaru** (University of Chicago, USA)
Schrodinger Maps
- 16.25 – 16.50 *Coffee break*
- 16.50 – 17.10: **Nicolae Dăneț** (Technical University of Civil Engineering, Bucharest, Romania)
Dedekind cuts in $C(X)$
- 17.10 – 17.30: **Dan Goreac** (Université Paris-Est Marne-la-Vallée, France)
Linear Formulation of a Class of Stochastic Optimal Control Problems
- 17.30 – 17.50: **Mihai Grădinaru** (Université de Rennes 1, France)
Asymptotic study of a family of time-inhomogeneous diffusions
- 17.50 – 18.10: **Eugen Păltănea** (“Transilvania” University, Braşov, Romania)
New results in parametric stochastic comparison

Section II, Amf. II.4 “O. Mayer”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Aurel Bejancu** (Kuwait University)
On Kähler contact distributions
- 15.45 – 16.05: **Matias Dahl** (University College London, UK)
Descending maps between slashed tangent bundles
- 16.05 – 16.25: **Dragoş Hrimiuc** (University of Alberta, Canada)
On Finsler manifolds of scalar flag curvature
- 16.25 – 16.50 *Coffee break*
- 16.50 – 17.10: **Nicoleta Aldea** (“Transilvania” University, Braşov, Romania)
On complex Landsberg and Berwald spaces
- 17.10 – 17.30: **Mihai Anastasiei** (“Al. I. Cuza” University, Iaşi, Romania)
Lagrange Geometry on Vector Bundles
- 17.30 – 17.50: **Gheorghe Munteanu** (“Transilvania” University, Braşov, Romania)
Connections in the holomorphic jets bundle of order 2
- 17.50 – 18.10: **Florian Munteanu** (University of Craiova, Romania)
About symmetries and conservation laws in k -symplectic field theories

Section III, Room 2.1 “Mendel Haimovici”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Mitrofan Cioban** (Tiraspol State University, Moldova)
About convex spaces and their applications
- 15.45 – 16.05: **Sergiu Rudeanu** (University of Bucharest, Romania)
Proto-Boolean rings
- 16.05 – 16.25: **Violeta Fotea** (“Al. I. Cuza” University, Iaşi, Romania)
Homomorphisms of hypergroupoids associated with L -fuzzy sets
- 16.25 – 16.50 *Coffee break*
- 16.50 – 17.10: **Zoltan Mako** (Sapientia University, Miercurea Ciuc, Romania)
Information matrix technique in the Archimedean t -normed space
- 17.10 – 17.30: **George Ceauşu** (“Al. I. Cuza” University, Iaşi, Romania)
The functional and the axiomatic completeness of a fuzzy logic
- 17.30 – 17.50: **Parascovia Sirbu** (State University of Moldova)
 π -Quasigroups isotopic to groups
- 17.50 – 18.10: **Ioan Tofan** (“Al. I. Cuza” University, Iaşi, Romania)
Some remarks about fuzzy numbers

Wednesday, June 23

Plenary session

Conference Hall, Romanian Academy

- 09.00 – 10.00: **Solomon Marcus** (Romanian Academy)
Myller, Iași, Mathematics, Romania: a cultural and historical perspective
- 10.00 – 10.45: **Michael Röckner** (Universität Bielefeld, Germany)
Fokker-Planck equations on Hilbert spaces
- 10.45 – 11.15 *Coffee break*
- 11.15 – 12.00 **Liviu Nicolaescu** (University of Notre Dame, USA)
Morse functions statistics
- 12.00 – 12.30 **Poster session**

Section I, Amf. “Al. Myller”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Sorin Istrail** (Brown University, USA)
Concepte de rigorare matematică pentru algoritmi in derandomizarea computațională, fizica statistică, și biologia moleculară
- 15.45 – 16.05: **Radu Cașcaval** (University of Colorado at Colorado Springs, USA)
Autoregulation Mechanisms in Complex Networks
- 16.05 – 16.25: **Dan Simovici** (University of Massachusetts, Boston, Romania)
Several remarks on metrics on partition lattices and their
- 16.25 – 16.50 *Coffee break*
- 16.50 – 17.10: **Mihai Bostan** (UFR Sciences et Techniques, Besancon, France)
Mathematical models for magnetic confinement
- 17.10 – 17.30: **Vasile Sinescu** (Katholieke Universiteit Leuven, Belgium, Romania)
Lattice rules for numerical multiple integration
- 17.30 – 17.50: **Gabriel Ciobanu** (Romanian Academy, Institute of Computer Science, Iași, Romania)
Biologically Inspired Formalisms: Computing by Endocytosis and Exocytosis
- 17.50 – 18.10: **Răzvan Fetecău** (Simon Fraser University, Canada)
A nonlocal hyperbolic model for self-organization of biological groups

Section II, Amf. II.4 “O. Mayer”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Pierre Dèbes** (University Lille 1, France)
The Regular Inverse Galois Problem and the Hilbert-Grunwald property
- 15.45 – 16.05: **Florin Rădulescu** (Universit‘i Roma Tor Vergata / IMAR)
Between Operator Algebras and Number Theory
- 16.05 – 16.25: **Lucia Di Vizio** (Université Pierre et Marie Curie - Paris 6, France)
On Galois theory for q -difference equations

- 16.25 – 16.50 *Coffee break*

- 16.50 – 17.10: **Marco Garuti** (Università degli Studi di Padova, Italy)
Galois closures in algebraic geometry
- 17.10 – 17.30: **Şerban Basarab** (“Simion Stoilow” Institute of Mathematics, Bucharest, Romania)
Embedding theorems for actions on generalized trees
- 17.30 – 17.50: **Ulf Kühn** (Universität Hamburg, Germany)
On the arithmetic self intersection number for particular curves
- 17.50 – 18.10: **Marian Aprodu** (“Simion Stoilow” Institute of Mathematics, Bucharest, Romania)
Koszul cohomology and moduli spaces

Section III, Room 2.1 “Mendel Haimovici”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Moshe Marcus** (Technion, Israel)
Boundary value problems with measure data for semilinear elliptic equations with absorption
- 15.45 – 16.05: **Vasile Berinde** (Universitatea de Nord, Baia Mare, Romania)
Stabilizing discrete dynamical systems by Krasnoselskij fixed point iterative scheme
- 16.05 – 16.25: **Ioan A. Rus** (“Babes-Bolyai” University, Cluj-Napoca, Romania)
Convergence of iterates of operators via graphic contraction principle

- 16.25 – 16.50 *Coffee break*

- 16.50 – 17.10: **Cristian Bereanu** (“Simion Stoilow” Institute of Mathematics, Bucharest, Romania)
Periodic solutions of some fourth-order nonlinear differential equations
- 17.10 – 17.30: **Chuanyi Zhang** (Harbin Institute of Technology, China)
Strong limit power functions
- 17.30 – 17.50: **Julia Salamon** (Sapientia University, Miercurea Ciuc, Romania)
Closedness of the solution map for parametric operator equilibrium problems
- 17.50 – 18.10: **Monica Ciobanu** (“Vasile Goldis” Western University, Arad, Romania)
Geometrical Objects Associated to Some Dynamical Systems

Poster Session, Romanian Academy, Library Hall, 12.00-12.30

- **Cristina Băcuță** (University of Delaware, USA)
Subspace interpolation and regularity for elliptic PDEs
- **Michael Bărbosu** (State University of New York at Brockport, USA)
Periodic Orbits for Rein's Elliptic Restricted Three-Body Problem
- **Mircea Bîrsan** ("Al. I. Cuza" University, Iași, Romania)
An inequality of Cauchy-Schwarz type
- **Sorin Botezat** ("Al. I. Cuza" University, Iași, Romania)
On the pointwise measurability
- **Emilian Bulgariu** ("Al. I. Cuza" University, Iași, Romania)
On Saint-Venants problem in microstretch elasticity
- **Monica Burlică, Daniela Roșu** ("Gh. Asachi" Technical University, Iași, Romania)
Viability for reaction-diffusion systems
- **Anne-Marie Burtea** (University of Craiova, Romania)
Two examples of weighted majorization
- **Irina Căpraru** ("Al. I. Cuza" University, Iași, Romania)
A priori estimates for nonlinear nonautonomous differential inclusions
- **Ionel-Dumitrel Ghiba** ("Octav Mayer" Institute of Mathematics, Iași, Romania)
Representations of the solution and existence results in micropolar solid-fluid mixtures theory
- **Liliana Guran** ("Titu Maiorescu" University, Bucharest, Romania)
Existence and data dependence for multivalued weakly Reich-contractive operators
- **Bogdan Heroiu** ("Al. I. Cuza" University, Iași, Romania)
Versor fields along a curve in a four dimensional Lorentz space
- **Cristina-Elena Hrețcanu** ("Stefan cel Mare" University, Suceava, Romania)
Metallic structures on Riemannian manifolds and induced structures on submanifolds
- **Masaki Jyumonji** (Tohoku University, Japan)
Computer visions for the eigenvalue problems
- **Alina Lazu** ("Gh. Asachi" Technical University, Iași, Romania)
On approximate viability for differential inclusions
- **Laura Munteanu** (State University of New York, USA)
From Complex to Simpler Systems in Geometric Control Theory
- **Mădălina Păcurar** ("Babes-Bolyai" University, Cluj-Napoca, Romania)
Fixed points for almost Presić operators
- **Gabriela Petrușel** ("Babes-Bolyai" University, Cluj-Napoca, Romania)
Fixed point theorems in ordered gauge spaces
- **Victor Postolache** ("Al. I. Cuza" University, Iași, Romania)
Filippov type estimates for fully nonlinear differential inclusions

- **Adrian Sandovici** (“Petru Rareș” National College, Piatra Neamț, Romania)
Commutation properties of nonnegative linear relations
- **Radu Strugariu** (“Gh. Asachi” Technical University, Iași, Romania)
Openness and efficiency in vector optimization
- **Adrian Viorel** (“Babes-Bolyai” University, Cluj-Napoca, Romania)
Existence results for semilinear evolution equations with nonlocal initial conditions

Thursday, June 24

Plenary session

Conference Hall, Romanian Academy

- 09.00 – 10.00: **Philippe G. Ciarlet** (City University of Hong Kong)
Linear and nonlinear Korn's inequalities
- 10.00 – 10.45: **Daniel Tătaru** (University of California, Berkeley, USA)
Large data wave maps
- 10.45 – 11.15 *Coffee break*
- 11.15 – 12.00 **José Ignacio Burgos Gil** (ICMAT (CSIC-UAM-UC3M-UCM), Spain)
Generalized analytic torsion
- 12.00 – 12.45 **Giuseppe Da Prato** (Scuola Normale Superiore, Pisa, Italy)
Optimal regularity results for Dirichlet problems in infinite dimensions

Section I, Amf. "Al. Myller", "Al. I. Cuza" University

- 15.00 – 15.45: **Stan Chiriță** ("Al. I. Cuza" University, Iași, Romania)
On spatial behavior in linear thermoelasticity
- 15.45 – 16.05: **Daniel Vasiliu** (Christopher Newport University)
On a generalization of convexity with connections to compensated compactness
- 16.05 – 16.25: **Cătălin Gales** ("Al. I. Cuza" University, Iași, Romania)
A cartographic study of the phase space of the restricted three body problem
- 16.25 – 16.50 *Coffee break*
- 16.50 – 17.10: **Eugen Vărvărucă** (Imperial College, London, UK)
On the existence of extreme surface water waves and the Stokes conjecture with vorticity
- 17.10 – 17.30: **Sanda Țigoiu** (University of Bucharest, Romania)
Strain Gradient Effect in Finite Elasto-plastic Damaged Materials
- 17.30 – 17.50: **Sorin Mardare** (Université de Rouen, France)
Stokes flow in porous cylinders becoming unbounded in the direction of their axis
- 17.50 – 18.10: **Florica Dragomirescu** ("Politehnica" University, Timisoara, Romania)
Results on the stability of swirling flow into a draft tube cone of a Francis turbine

Section II, Amf. II.4 “O. Mayer”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Hajime Urakawa** (Tohoku University, Japan)
Geometry of biharmonic and harmonic maps
- 15.45 – 16.05: **Cezar Oniciuc** (“Al. I. Cuza” University, Iași, Romania)
Biharmonic submanifolds in spheres
- 16.05 – 16.25: **Monica Alice Aprodu** (“Dunarea de Jos” University , Galați, Romania)
Harmonic maps on stratified spaces

16.25 – 16.50 *Coffee break*

- 16.50 – 17.10: **Ivko Dimitric** (Pennsylvania State University Fayette, USA)
Curvature-adapted hypersurfaces of rank-1 symmetric spaces and their Chen-type
- 17.10 – 17.30: **Nero Budur** (University of Notre Dame, USA)
Singularities in algebraic geometry
- 17.30 – 17.50: **Nicolae Anghel** (University of North Texas, US)
Stieltjes-Calogero-Gil Relations Associated to Entire Functions of Finite Order
- 17.50 – 18.10: **Florin Damian** (State University of Moldova)
Hyperbolic 5-manifold with cusps over the most symmetric 4-dimensional torus

Section III, Room 2.1 “Mendel Haimovici”, ”Al. I. Cuza” University

- 15.00 – 15.45: **Nicolae Pavel** (Ohio University, USA)
Green function of the Laplacian for the Neumann problem in R^n
- 15.45 – 16.05: **Radu Miculescu** (University of Bucharest, Romania)
Some results concerning the generalized IFSs
- 16.05 – 16.25: **Narcisa Apreutesei** (“Gh. Asachi” Technical University, Iași, Romania)
Second order difference equations of monotone type in Hilbert spaces

16.25 – 16.50 *Coffee break*

- 16.50 – 17.10: **Constantin P. Niculescu** (Convex analysis in spaces with a curved geometry)
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- 17.10 – 17.30: **Andreea Grigoriu** (CEREMADE-Université Paris Dauphine, France)
Theoretical and numerical analysis of quantum control algorithms
- 17.30 – 17.50: **Lofti Boudjenah** (University of Oran, Algeria)
On the existence solutions of a certain class of differential inclusions with delay
- 17.50 – 18.10: **Aurelian Bejanecu** (Kuwait University)
Semi-cardinal interpolation for multivariable splines

Section IV, Conference Room, "Al. I. Cuza" University

- 15.45 – 16.05: **Aurel Rășcanu** ("Al. I. Cuza" University, Iași, Romania)
BSVI with oblique subgradients
- 16.05 – 16.25: **Diomande Bakarime** (Università Degli Studi Di Milano Bicocca, Italy)
Existence of optimal control for stochastic differential equations with delay

- 16.25 – 16.50 *Coffee break*

- 16.50 – 17.10: **Tianyang Nie** ("Al. I. Cuza" University, Iași, Romania)
Direct and inverse images for fractional stochastic tangent sets and applications
- 17.10 – 17.30: **Adrian Zălinescu** ("Octav Mayer" Institute of Mathematics, Iași, Romania)
Multivalued stochastic differential equations with jumps
- 17.30 – 17.50: **Hanbing Liu** ("Al. I. Cuza" University, Iași, Romania)
Optimal control problems with state constraint governed by Navier-Stokes equations
- 17.50 – 18.10: **Eduard Rotenstein** ("Al. I. Cuza" University, Iași, Romania)
Approximation of backward stochastic variational inequalities

Friday, June 25

Plenary session

Conference Hall, Romanian Academy

- 09.00 – 10.00: **Izu Vaisman** (Haifa University, Israel)
The isotropic Hamiltonian formalism
- 10.00 – 10.45: **Vasile Brînzănescu** (“Simion Stoilow” Institute of Mathematics, Bucharest, Romania)
Twisted Fourier-Mukai transform and applications

10.45 – 11.15 *Coffee break*

- 11.15 – 12.00 **Alfredo Lorenzi** (Università degli Studi di Milano, Italy)
On inverse and control integro-differential linear problems
- 12.00 – 12.45 **Dorin Ieşan** (“Al. I. Cuza” University, Iaşi, Romania)
On the deformation of porous Cosserat elastic cylinders

Section I, Amf. “Al. Myller”, ”Al. I. Cuza” University

- 15.00 – 15.20: **Mihai Turinici** (“Al. I. Cuza” University, Iaşi, Romania)
Brézis-Browder Principle and Dependent Choice
- 15.20 – 15.40: **Rodica Luca Tudorache** (“Gh. Asachi” Technical University, Iaşi, Romania)
Positive solutions of m -point boundary value problems for systems of nonlinear second-order differential equations
- 15.40 – 16.00: **Monica Luran** (Universitatea de Nord, Baia Mare, Romania)
Nonexpansive fixed point techniques used to solve boundary value problems for fractional differential equations
- 16.00 – 16.20: **Christiane Godet-Thobie** (Université de Bretagne Occidentale, Brest, France)
Extensions du théorème de Tietze-Urysohn. Prolongements de multi-applications

16.20 – 16.50 *Coffee break*

- 16.50 – 17.10: **Gabriel Prăjitură** (State University of New York, USA)
Linear dynamics
- 17.10 – 17.30: **Marcelina Mocanu** (“Vasile Alecsandri” University, Bacău, Romania)
Regularity and embedding theorems for Orlicz-Sobolev spaces on metric measure spaces
- 17.30 – 17.50: **Dragoş-Pătru Covei** (“Constantin Brâncuşi” University, Tg. Jiu, Romania)
Existence of positive solution of a Klein-Gordon type equation

- 17.50 – 18.10: **George Popescu** (University of Craiova, Romania)
Non-commutative inequalities in operator algebras
- 18.10 – 18.30: **Gabriela Apreutesei** (“Al. I. Cuza” University, Iași, Romania)
Hyperconvergences and subdifferentiability

Section II, Amf. II.4 “O. Mayer”, ”Al. I. Cuza” University

- 15.00 – 15.20: **Ilie Burdujan** (USAMV Iași, Romania)
A Lie Algebraic Approach to Homogeneous Quadratic Differential Systems
- 15.20 – 15.40: **Afrodita Iorgulescu** (Academia de Studii Economice, București, Romania)
A term equivalent definition of groups coming from algebra of logic
- 15.40 – 16.00: **Ion Goian** (Moldova State University)
Ore’s Theorem for Near-rings
- 16.00 – 16.20: **Dan Papuc** (West University of Timisoara, Romania)
De la geometriile neeuclidiene la Picasso, Stravinski, Brâncuși,...
- 16.20 – 16.50 *Coffee break*
- 16.50 – 17.10: **Constantin Călin** (“Gh. Asachi” Technical University, Iași, Romania)
Foliations and complemented framed structures
- 17.10 – 17.30: **Cornelia-Livia Bejan** (“Gh. Asachi” Technical University, Iași, Romania)
Some Remarks on η - Einstein Manifolds
- 17.30 – 17.50: **Abdenacer Makhlof** (Mulhouse University, France)
Twisted nonassociative algebraic structures
- 17.50 – 18.10: **Ioana Mașca** (“Al. I. Cuza” University, Iași, Romania)
On reversible geodesics for (α, β) - metrics
- 18.10 – 18.30: **Ana-Irina Nistor** (“Al. I. Cuza” University, Iași, Romania)
Old and new geometric aspects of translation surfaces

Section III, Room 2.1 “Mendel Haimovici”, ”Al. I. Cuza” University

- 15.00 – 15.20: **Marius Beceanu** (EHESS—CAMS)
The Schroedinger Equation with a Randomly Moving Potential
- 15.20 – 15.40: **Marius Munteanu** (State University of New York, USA)
On Riemannian Submersions from Compact Lie Groups
- 15.40 – 16.00: **Constantin Băcuță** (University of Delaware, USA)
Regularity and discretization for Stokes type systems

- 16.00 – 16.20: **Galina Rusu** (State University of Moldova)
Convergence estimates for abstract second order Cauchy problems with lipshitzian nonlinearities

- 16.20 – 16.50 *Coffee break*

- 16.50 – 17.10: **Daniel Cibotaru** (University of Notre Dame, USA)
Dirac operators: cobordism and surgery
- 17.10 – 17.30: **Vasile Glavan** (Moldova State University)
Conley decomposition and chain recurrence in IFS on the circle
- 17.30 – 17.50: **Valeriu Guțu** (Moldova State University)
Shadowing in affine IFS
- 17.50 – 18.10: **Vasile Postolică** (“Vasile Alecsandri” University, Bacău, Romania)
Isac’s cones and applications
- 18.10 – 18.30: **Iulian Stoleriu** (“Al. I. Cuza” University, Iași, Romania)
Non-coarsening for solutions to a class of evolution equations