

The 60th Anniversary of  
the Institute of Mathematics of the Romanian Academy

*June 25-27, 2009, Bucharest, Romania*

**PROGRAM**

**Thursday, June 25<sup>th</sup>, 2009**

11:00–12:00 *Opening Ceremony*

**L u n c h**

14:10–15:00 **Doina Ciorănescu** Applications of the unfolding method to non-linear problems in perforated domains

**C o f f e e**

15:30–16:20 **Tudor Rațiu** Geometric methods in hydrodynamics and Teichmüller theory

16:30–17:20 **Stanislaw Janeczko** Symplectic singularities of plane curves and Zariski classification problem

19:00 *Cocktail*

## Friday, June 26<sup>th</sup>, 2009

09:10–10:00 **Petru Mironescu** An intriguing property of sums of Dirac masses

### Coffee

10:30–11:20 **Florin Rădulescu** Operator algebra methods in the study of arithmetic Hecke operators

11:30–12:20 **Stefan Dodunekov** Combinatorial problems in coding theory

### Lunch

14:30–15:20 **Ștefan Papadima** Calculus with trivial differentiation

### Coffee

16:00–16:50 **Andrei Neguț** Attractors and  $\varepsilon$ -invisible sets

17:00–17:50 **Daniel Belțiță** Magnetic Weyl calculus on coadjoint orbits of some infinite dimensional Lie groups

## Saturday, June 27<sup>th</sup>, 2009

09:10–10:00 **Cezar Joița**                      Generically strongly  $q$ -convex complex spaces

### Coffee

10:30–11:20 **Lucian Beznea**                      Potential theoretical methods in the construction  
of measure valued Markov branching processes

11:30–12:20 **Peter Palfy**                      Congruence lattices of finite algebras – a problem  
for group theorists

### Lunch

14:30–15:20 **Florian Pop**                      On effectivity of birational arithmetic geometry

### Coffee

16:00–16:50 **Marian Aprodu**                      Koszul cohomology and moduli spaces

17:00–17:50 **Sergiu Moroianu**                      Eta invariants on convex co-compact hyperbolic  
manifolds