Section 2: Real and Complex Analysis, Potential Theory

Friday, June 29th, 2007

09:00–10:45 Chairman: **Cabiria Andreian Cazacu**

09:00–09:45	**Matti Vourinen**	Conformal geometry and quasiregular mappings
10:00–10:45	**Anatoly Golberg**	Distortion of moduli of the ring domains in space

C o f f e e

11:15–13:00 Chairman: **Nicu Boboc**

11:15–12:00	**Chung-Chun Yang**	Value distribution theory related to number theory
12:15–13:00	**Grigore Sălăgean**	Further properties of β-Pascu convex functions of order α
13:00–13:30	**Petru T. Mocanu**	Briot-Bouquet differential superordinations and sandwich theorems

L u n c h

15:30–17:35 Chairman: **Raimo Näkki**

15:30–16:15	**Mihai Cristea**	Local homeorphisms having local ACL^n inverses

C o f f e e

16:45–17:15	**Gheorghe Bucur**	Variational methods in Dirichlet spaces
17:15–17:35	**Liliana Popa**	A Dirichlet form on a standard H-Cone

17:40–18:40 Chairman: **Ilpo Laine**

17:40–18:00	**Corneliu Udrea**	Nonlinear resolvents: supermedian functions
18:00–18:20	**Eugen Popa**	The semi-dynamical system associated with a generator

18:20–18:40   **Marian Panţiruc**   Fourier transform of the "heat kernel" on the Heisenberg group

Saturday, June 30th, 2007

09:00–10:45 Chairman: **Matti Vuorinen**

09:00–09:45   **Heinrich Begehr**   Polyharmonic Dirichlet problems
10:00–10:45   **Ilpo Laine**   Difference counterpart of Nevanlinna theory

C o f f e e

11:15–13:00 Chairman: **Chung-Chun Yang**

11:15–12:00   **Dorin Ghişa**   The geometry of Blaschke product mappings
12:15–13:00   **Gabriela Kohr**   Asymptotically starlike and asymptotically spiralike mappings in several complex variables

L u n c h

15:30–17:35 Chairman: **Heinrich Begehr**

15:30–16:15   **Raimo Näkki**   Homogeneous sets and quasiconformal mappings

C o f f e e

16:45–17:15   **Cabiria Andreian Cazacu**   Lim inf Lipschitz and bi-Lipschitz conditions for direct products, skew products and other mappings
17:15–17:35   **Marcelina Mocanu**   Maximal operators in Olicz spaces on metric measure spaces

17:40–19:00 Chairman: **Miodrag Mateljević**

17:40–18:00   **Victoria Stanciu**   Normal families of ring FMO_{loc} quasiregular mappings
18:00–18:20   **Anca Andrei**   Comments on the behavior of quasiconformal mappings in Ahlfors regular spaces
18:20–18:40   **Serafima Cerchez**   Direct products of L-BLD homeomorphisms on direct product spaces
18:40–19:00   **Dan Dogaru**   Two theorems for ψ-modulus

Monday, July 2nd, 2007

09:00–10:45 Chairman: Constantin Niculescu

09:00–09:45	**Marco Abate**	A unified approach to index theorems for holomorphic maps and foliations
10:00–10:45	**Mariusz Urbanski**	Real analyticity of Hausdorff dimension for higher dimensional graph directed Markov systems

C o f f e e

11:15–13:00 Chairman: Mihnea Colţoiu

11:15–12:00	**Peter Dovbush**	On normal and non-normal holomorphic functions on complex Banach manifolds
12:15–13:00	**Mihai Tibar**	Polynomials and vanishing cycles

L u n c h

15:30–17:35 Chairman: Marco Abate

15:30–16:15	**Eugen Mihăilescu**	Metric properties and dynamics for conformal non-invertible maps

C o f f e e

16:45–17:05	**Ionel Roventa**	The dynamics of the rational maps
17:05–17:35	**Mihai Pascu**	Domain convergence of reflecting Brownian motion

17:40–19:05 Chairman: Gheorghe Bucur

17:40–18:10	**Anca Bonciocat**	Some geometric aspects of discrete metric spaces and metric graphs
18:15–18:45	**Radu Gologan**	Two results in combinatorial geometry based on classical theorems in real analysis
18:45–19:05	**Aurelia Florea**	Hermite-Hadamard inequality. New results

Tuesday, July 3$^{\text{rd}}$, 2007

09:00–10:45 Chairman: **Tadeusz Iwaniec**

09:00–10:00   **Bogdan Bojarski**   Primary solutions to general Beltrami equations
10:15–10:45   **Mohamed Sifi**   On Besov-Dunkl spaces

C o f f e e

11:15–12:45 Chairman: **Mariusz Urbanski**

11:15–12:00   **Miodrag Mateljević**   Distortion of harmonic type mappings in the space

L u n c h

15:30–17:15 Chairman: **Bogdan Bojarski**

15:30–16:15   **Tadeusz Iwaniec**   Invitation to n-harmonic hyperelasticity. The art of intergration of nonlinear forms and free langrangian

C o f f e e

16:45–17:15   **Natalia Gashitoi**   On the existence of K-admissible limits of holomorphic mappings

17:20–18:50 Chairman: **Mohamed Sifi**

17:20–17:50   **Teodor Bulboacă**   Subordination and superordination preserving convex intergral operators
17:50–18:10   **Gheorghe Oroş**   Strong differential subordination
18:10–18:30   **Nicolae R. Pascu**   Some extensions of the Schwarz lemma
18:30–18:50   **Daniel Breaz**   Certain integral operators on the classes $M(\beta_i)$ and $N(\beta_i)$

Wednesday, July 4th, 2007

09:00–10:00 Chairman: **Radu Gologan**

09:00–09:30	**Romi Shamoyan**	Some remarks of the action of the operator of polarization
09:30–10:00	**Emil Saucan**	Triangulations, quasiregular mappings and differential geometry

10:05–12:55 Chairman: **Petru T. Mocanu**

10:05–10:25	**Anca Croitoru**	A Gould type set valued integral
10:25–10:45	**Ionel Ţevy**	The generalized Riemann integral

C o f f e e

11:15–11:35	**Radu Vîlceanu**	Application of Dirichlet L-series in the calculus of integrals
11:35–12:55	**Ileana Bucur**	On the Helly and Bray theorem