Exploratory Workshop on

Recent trends in complex analysis and related topics

Alba Iulia, Romania, August 14–16, 2008

PROGRAM

Thursday, August 14th, 2008

16:25–17:10	**Zoltan Balogh**	Gromov's dimension comparison and fractal geometry on Carnot groups
17:15–18:00	**Vlad Marković**	Biholomorphic maps between Teichmüller spaces
18:05–18:50	**Mihai Pascu**	On a conjecture of Laugesen and Morpurgo

Friday, August 15th, 2008

09:00–09:45 **Vladimir Ryazanov**   Moduli in the modern mapping theory

09:55–10:40 **Heinrich Begehr**   Polyharmonic Green functions and boundary value problems

C o f f e e

11:05–11:50 **Kohur GowriSankaran**   Multiply superharmonic functions: a consequence of Bocher theorem

L u n c h

15:00–15:45 **Anton Thalmaier**   Brownian motion on Jordan curves and stochastic analysis on the diffeomorphism group of the circle

C o f f e e

16:10–16:55 **Gabriela Kohr**   Subordination chains and generalized parametric representation in several complex variables

17:05–17:50 **Nicu Boboc**   Resistance forms on a set

18:00–18:45 **Aurelian Gheondea**   Analytic Hermitian kernels

Saturday, August 16$^{\text{th}}$, 2008

09:55–10:40   **David Herron**   BiLipschitz homogeneity, inner diameter distance and quasiconformal and Riemann mappings

Coffee

11:05–11:50   **John Lewis**   On a Liouville type theorem for harmonic maps to convex spaces via Markov chains

12:00–12:45   **Jeremy Tyson**   Lipschitz, Hölder and Sobolev surjections from Euclidean cubes

Lunch

15:00–15:45   **Gerald Trutnau**   On the generator of a right-continuous Markov process

Coffee

16:10–16:55   **Mihai Cristea**   Open, discrete mappings having local ACL^n inverses

17:05–17:50   **Peter Dovbush**   Normality and P-point sequences

18:00–18:45   **Eugen Mihăilescu**   Complex dynamics on higher dimensional fractals