

**XIV Conference
on Analytic Functions**

Chełm

July 22 - 28, 2007

ORGANIZERS

State University of Applied Science in Chełm

Polish Academy of Sciences

CONFERENCE PROGRAM

Sunday, July 22nd, 2007

- Since 10.00 Arrival of conference participants
(Hotel "Kamena" - Armii Krajowej 50, Chełm)
- 13.30 - 14.30 Lunch
(Hotel "Kamena" - Armii Krajowej 50, Chełm)
- 19.00 Dinner
(Hotel "Kamena" - Armii Krajowej 50, Chełm)

Monday, July 23th, 2007

- 8.00 - 9.00 Breakfast
(Hotel "Kamena" - Armii Krajowej 50, Chełm)
- 9.00 - 10.00 Registration of conference participants
(State University of Applied Science in Chełm - Wojsławicka 8B, Chełm)
- 10.00 - 10.10 Opening of the conference

Chairman: Julian Ławrynowicz

- 10.10 - 11.00 **Lawrence Zalcman:** *Derivatives of meromorphic functions with multiple zeros*
- 11.10 - 12.00 **Aimo Hinkkanen:** *Majorization of analytic functions*
- 12.00 - 12.30 Coffee break

Chairman: Aimo Hinkkanen

- 12.30 - 12.55 **Ewa Ciechanowicz:** *The deviations from rational functions of entire and meromorphic functions*
- 13.00 - 13.25 **Stanisława Kanas:** *Subordination results involving domains bounded by conic sections*
- 13.30 - 13.45 **Aleksandra Szkibieli:** *Strong tracts of plane subharmonic functions*
- 13.50 - 14.50 Lunch
(State University of Applied Science in Chełm - Wojsławicka 8B, Chełm)

Chairman: Pierre Dolbeault

- 14.50 - 15.15 **Yusuf Avci:** *Extreme points of univalent meromorphic functions*
- 15.20 - 15.35 **Raimo Näkki:** *Harmonic measure and boundary accessibility*
- 16.30 Sightseeing of Chełm
- 18.30 Banquet in "Kozak" Restaurant (Hrubieszowska 37, Chełm)

Tuesday, July 24th, 2007

8.00 - 9.00 Breakfast
(Hotel "Kamena" - Armii Krajowej 50, Chełm)

Chairman: Yusuf Avci

9.30 - 10.20 **Pierre Dolbeault:** *On Levi-flat hypersurfaces with given boundary in C^n*
(State University of Applied Science in Chełm - Wojsławicka 8B, Chełm)

10.30 - 11.20 **Bogdan Bojarski:** *Primary solutions of general Beltrami equations and related topics*

11.20 - 11.50 Coffee break

Chairman: Bogdan Bojarski

11.50 - 12.15 **Piotr Liczberski:** *On locally biholomorphic mappings from multi-connected onto simply connected domains in complex plane*

12.20 - 12.45 **Wiesław Pleśniak:** *A generalized Bernstein exponent*

12.50 - 13.15 **Jaime Keller:** *Functions and algebras generated by scalar K -atic forms and their linear forms*

13.15 - 14.15 Lunch
(State University of Applied Science in Chełm - Wojsławicka 8B, Chełm)

Chairman: Wiesław Pleśniak

14.15 - 14.40 **Juhani Riihentausta:** *Subharmonic functions, generalizations and separately subharmonic functions*

14.45 - 15.00 **Ekaterina Ganenkova:** *The theorem of regularity of decrease for universal linearly invariant families of functions*

16.30 Tour "Old chalk mine"

18.30 Dinner in "Gęsia Szyja" Restaurant (Lubelska 27, Chełm)

Wednesday, July 25th, 2007

7.00 - 8.00 Breakfast
(Hotel "Kamena" - Armii Krajowej 50, Chełm)

8.30 Trip "Trails of the Borderland"

19.00 Dinner
(Hotel "Kamena" - Armii Krajowej 50, Chełm)

Thursday, July 26th, 2007

8.00 - 9.00 Breakfast
(Hotel "Kamena" - Armii Krajowej 50, Chełm)

Chairman: Juhani Riihentausta

9.30 - 10.20 **Józef Siciak**: *Approximation by multivariate incomplete polynomials*
(State University of Applied Science in Chełm - Wojsławicka 8B, Chełm)

10.30 - 11.20 **Julian Ławrynowicz**: *The Fokker-Planck problem and displacements of metallic objects in atmosphere*

11.20 - 11.50 Coffee break

Chairman: Józef Siciak

11.50 - 12.15 **Andryi Kondratyuk**: *Compositions of rational and meromorphic functions. Counterparts of Jensen formula and Nevanlinna theory*

12.20 - 12.45 **Rodrigo Gómez Mendoza**: *An analysis of force-free magnetic fields with a nonconstant proportionality factor using quaternions*

12.50 - 13.15 **Andrzej Michalski**: *Sufficient conditions for quasiconformality of harmonic mappings of the upper halfplane onto itself*

13.15 - 14.15 Lunch
(State University of Applied Science in Chełm - Wojsławicka 8B, Chełm)

Chairman: Andryi Kondratyuk

14.15 - 14.40 **Agnieszka Niemczynowicz**: *A complex-analytical approach to the geometry created by the tip of electron microscope*

14.45 - 15.00 **Antonina Marchuk**: *Hardy spaces and Riemann hypothesis*

18.00 Exhibition of paintings - Banquet in "The Old Mill" - Uher

Friday, July 27th, 2007

8.00 - 9.00 Breakfast
(Hotel "Kamena" - Armii Krajowej 50, Chełm)

Chairman: Jaime Keller

9.30 - 10.20 **Ken-ichi Sakan, Dariusz Partyka:** *A note on characterizations of quasiconformal harmonic mappings*
(State University of Applied Science in Chełm - Wojsławicka 8B, Chełm)

10.30 - 10.55 **Lino Feliciano Reséndis Ocampo:** *Bergman Spaces $A_{p,q,s}$*

11.00 - 11.20 **Józef Zajac:** *The Paprocki space - harmonic representation of the universal Teichmüller space*

11.20 - 11.50 Coffee break

Chairman: Lino Feliciano Reséndis Ocampo

11.50 - 12.15 **Armen Grigoryan, Wojciech Szapiel:** *An existence theorem for harmonic homeomorphisms*

12.20 - 12.45 **Adam Lecko:** *Starlike and spirallike functions with respect to a boundary point*

12.50 - 13.15 **Paweł Wójcik:** *On a convex class of univalent functions*

13.15 - 14.15 Lunch
(State University of Applied Science in Chełm - Wojsławicka 8B, Chełm)

14.15 - 14.45 Poster session

14.45 - 15.45 Open Seminar on Recent Developments in Complex Analysis

15.45 - 16.00 Closing of the conference

18.30 Dinner
(Hotel "Kamena" - Armii Krajowej 50, Chełm)

Saturday, July 28th, 2007

8.00 - 9.00 Breakfast
(Hotel "Kamena" - Armii Krajowej 50, Chełm)

All conference talks are in room 007 (Wojsławicka 8B).