



P R O G R A M M E

MONDAY, SEPTEMBER 12

8⁴⁵**OPENING ADDRESS****SESSION 1 CHAIR: ROMAN GER**

Opening lecture

9⁰⁰ – 10⁰⁰

KAROL BARON

*Marek Kuczma*10⁰⁰ – 10³⁰

Coffee break

SESSION 2 CHAIR: KAROL BARON10³⁰ – 10⁵⁰

ROMAN GER

*On a subsequent problem of Roger Cuculière*10⁵⁵ – 11¹⁵

LUDWIG REICH

*Reversible power series and generalized Abel equations*11²⁰ – 11⁴⁰

JÖRG TOMASCHEK

*On the solvability of generalized Dhombres functional equations*11⁴⁵ – 12⁰⁵

PROBLEMS AND REMARKS

SESSION 3 CHAIR: JÓZEF TABOR14³⁰ – 14⁵⁰

ZYGFRYD KOMINEK

*On pexiderized Jensen-Hosszú functional equation on the unit interval*14⁵⁵ – 15¹⁵

JANUSZ BRZDĘK

*Stability of linear equations of higher orders*15²⁰ – 15⁴⁰

KRZYSZTOF CIEPLIŃSKI

*A fixed point approach to the stability of functional equations in non-Archimedean metric spaces*15⁴⁵ – 16¹⁵

Coffee break

SESSION 4 CHAIR: ZYGFRYD KOMINEK16¹⁵ – 16³⁵

JÓZEF TABOR

*Uniform convexity*16⁴⁰ – 17⁰⁰

MAREK NIEZGODA

*Schur-convexity and similar separability of vectors*17⁰⁵ – 17²⁵

ATTILA HÁZY

*On (α, β, a, b) -convex functions*17³⁰ – 17⁵⁵

Coffee break

SESSION 5 CHAIR: WOLFGANG FÖRG-ROB17⁵⁵ – 18¹⁵

ANNA BAHYRYCZ

*On the solutions of Wilson first generalization of d'Alembert's functional equation on some set*18²⁰ – 18⁴⁰

BARBARA SOBEK

Wilson's functional equation on a restricted domain



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TUESDAY, SEPTEMBER 13

SESSION 6 CHAIR: MOSHE GOLDBERG

- 9⁰⁰ – 9²⁰ ZSOLT PÁLES *On the generalization of the lower Hermite-Hadamard inequality and Korovkin type theorems*
- 9²⁵ – 9⁴⁵ SZYMON WAŚOWICZ *Spline approximation method in higher-order convexity business*
- 9⁵⁰ – 10¹⁰ MAREK ŻÓŁDAK *Approximately convex functions on Abelian topological groups*
- 10¹⁵ – 10⁴⁵ Coffee break

SESSION 7 CHAIR: ZSOLT PÁLES

- 10⁴⁵ – 11⁰⁵ MOSHE GOLDBERG *Submultiplicativity and stability of sup norms on homotonic algebras*
- 11¹⁰ – 11³⁰ BARBARA KOCLĘGA-KULPA *On a functional equation connected to Hermite quadrature rule*
- 11³⁵ – 11⁵⁵ WŁODZIMIERZ FECHNER *Functional equations with exotic addition*

SESSION 8 CHAIR: LUDWIG REICH

Lecture

- 14³⁰ – 15³⁰ STEVO STEVIĆ *On some nonlinear recurrences*
- 15³⁰ – 16⁰⁰ Coffee break

SESSION 9 CHAIR: STEVO STEVIĆ

- 16⁰⁰ – 16²⁰ JENS SCHWAIGER *On the construction of functional equations with prescribed solutions of a certain type*
- 16²⁵ – 16⁴⁵ JACEK CHUDZIAK *On continuous solutions of a composite functional equation*
- 16⁵⁰ – 17¹⁰ WOLFGANG PRAGER *On a system of inhomogeneous linear functional equations*
- 17¹⁵ – 17³⁵ Coffee break

SESSION 10 CHAIR: NICOLE BRILLOUËT-BELLUOT

- 17³⁵ – 17⁵⁵ EKATERINA SHULMAN *Subadditive set-functions on groups and applications to functional equations*
- 18⁰⁰ – 18²⁰ JANUSZ MORAWIEC *On a problem of Nicole Brillouët-Belluot*
- 18²⁵ – 18⁴⁵ WITOLD JARCZYK *Note on an equation occurring in a problem of Nicole Brillouët-Belluot*

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14th
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WEDNESDAY, SEPTEMBER 14

SESSION 11 CHAIR: VYACHESLAV KALNITSKY

Lecture

- 9⁰⁰ – 10⁰⁰ BORIS PANEAH *On the general theory of multidimensional functional operators: new problems and new approaches*
- 10⁰⁰ – 10³⁰ Coffee break

SESSION 12 CHAIR: JOACHIM DOMSTA

- 10³⁰ – 10⁵⁰ MAREK C. ZDUN *On some applications of Kuczma's ideas to Schröder's equation in multidimensional case*
- 10⁵⁵ – 11¹⁵ VYACHESLAV KALNITSKY *Solution of the Kuczma equation*
- 11²⁰ – 11⁴⁰ PROBLEMS AND REMARKS

13²⁵ EXCURSION TO ROGALIN

20³⁰ CONCERT



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THURSDAY, SEPTEMBER 15

SESSION 13 CHAIR: WITOLD JARCZYK

- 9⁰⁰ – 9²⁰ MAGDALENA PISZCZEK *The properties of functional inclusions and Hyers-Ulam stability*
- 9²⁵ – 9⁴⁵ GRAŻYNA LYDZIŃSKA *On iterative roots of some multifunctions with a unique set-value point*
- 9⁵⁰ – 10¹⁰ EWELINA MAINKA-NIEMCZYK *Set-valued sine families*
- 10¹⁵ – 10⁴⁵ Coffee break

SESSION 14 CHAIR: HENRIK STETKÆR

- 10⁴⁵ – 11⁰⁵ DOROTA GŁAZOWSKA *Uniformly bounded composition operators in the space of functions of bounded φ -variation with weight in the sense of Riesz*
- 11¹⁰ – 11³⁰ NIYATI GURUDWAN *Strong convergence theorem for finite family of m -accretive operators in Banach spaces*
- 11³⁵ – 11⁵⁵ PROBLEMS AND REMARKS

SESSION 15 CHAIR: DAVID YOST

- 14³⁰ – 14⁵⁰ LÁSZLÓ SZÉKELYHIDI *Polynomial functions on Abelian groups*
- 14⁵⁵ – 15¹⁵ HENRIK STETKÆR *Levi-Civita's functional equation*
- 15²⁰ – 15⁴⁰ JUSTYNA JARCZYK *On some equality problem connected with conjugate means*
- 15⁴⁵ – 16¹⁵ Coffee break

SESSION 16 CHAIR: LÁSZLÓ SZÉKELYHIDI

- 16¹⁵ – 16³⁵ DAVID YOST *Pseudolinear functions, Banach spaces and polyhedra*
- 16⁴⁰ – 17⁰⁰ JACEK TABOR *New approach to entropy*
- 17⁰⁵ – 17²⁵ TOMASZ KOCHANEK *Steinhaus' lattice points problem for Banach spaces*
- 17³⁰ – 17⁵⁵ Coffee break

SESSION 17 CHAIR: JENS SCHWAIGER

- 17⁵⁵ – 18¹⁵ ELIZA JABŁOŃSKA *On the p -exiderized Golaq-Schinzel equation*
- 18²⁰ – 18⁴⁰ AGATA NOWAK *On a generalization of the Golaq-Schinzel equation*

20⁰⁰ BANQUET



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FRIDAY, SEPTEMBER 16

SESSION 18 CHAIR: MACIEJ SABLİK

- 9⁰⁰ – 9²⁰ BARTOSZ MICHERDA *On some inequalities of Hermite-Hadamard-Fejér type for (k, h) -convex functions*
- 9²⁵ – 9⁴⁵ JUDIT MAKÓ *Implications between approximate convexity properties and approximate Hermite-Hadamard inequalities*
- 9⁵⁰ – 10¹⁰ DAWID KOTRYS *Hermite-Hadamard inequality for convex stochastic processes*
- 10¹⁵ – 10⁴⁵ Coffee break

SESSION 19 CHAIR: EKATERINA SHULMAN

- 10⁴⁵ – 11⁰⁵ MACIEJ SABLİK *Functional equations characterizing future life-time*
- 11¹⁰ – 11³⁰ ŻYWILLA FECHNER *On some integral generalizations of trigonometric functional equations*
- 11³⁵ – 11⁵⁵ ALFRED WITKOWSKI *Interpolations of Schwab-Borchardt mean*

SESSION 20 CHAIR: JACEK TABOR

- 14³⁰ – 14⁵⁰ ANDRZEJ OLBRYŚ *On some derivatives and (s, t) -convex functions*
- 14⁵⁵ – 15¹⁵ KRZYSZTOF MISZTAŁ *Midconvexity for finite sets*
- 15²⁰ – 15⁴⁰ PRZEMYSŁAW SPUREK *Strict numerical verification of optimality condition for approximately midconvex functions*
- 15⁴⁵ – 16¹⁵ Coffee break

SESSION 21 CHAIR: JACEK CHUDZIAK

- 16¹⁵ – 16³⁵ HAMID VAEZI *Fuzzy approximation of an additive functional equation*
- 16⁴⁰ – 17⁰⁰ DHIRAJ KUMAR SINGH *On three sum form functional equations*
- 17⁰⁵ – 17²⁵ PROBLEMS AND REMARKS
- 17²⁵ – 17⁵⁵ Coffee break

SESSION 22 CHAIR: JANUSZ MORAWIEC

- 17⁵⁵ – 18¹⁵ JACEK CHMIELIŃSKI *On approximate parallelogram identity in normed spaces*
- 18²⁰ – 18⁴⁰ MAREK CZERNI *On a generalization of the problem of D. Brydak*

18⁴⁵ **CLOSING OF THE ICFEI**