



P R O G R A M M E

MONDAY, SEPTEMBER 18

9⁰⁰ – 9¹⁵

OPENING ADDRESS PROF. DR. EUGENIUSZ WACHNICKI, the Vice-Rector of the Pedagogical University of Cracow

SESSION 1. **CHAIR:** JÁNOS ACZÉL

9¹⁵ – 9⁴⁰

WALTER BENZ

*A conditional functional inequality*9⁴⁰ – 10⁰⁵

THOMAS M.K. DAVISON

On the functional equation $g(xy) + g(x\tau(y)) = 2g(x)g(y)$ 10⁰⁵ – 10³⁰

LÁSZLO LOSONCZI

*Polynomials with all zeros on the unit circle*10³⁰ – 10⁵⁵

JANUSZ MATKOWSKI

On extension of solutions of simultaneous systems of functional equations

Coffee break

SESSION 2. **CHAIR:** WALTER BENZ

11¹⁵ – 11⁴⁰

NICOLE BRILLOUET-BELLUOT

*On applications of functional equations in physics*11⁴⁰ – 12⁰⁵

TOMASZ SZOSTOK

*On some conditional Cauchy equation*12⁰⁵ – 12³⁰

DIJANA ILIŠEVIĆ

*Quadratic functionals and sesquilinear forms*12³⁰ – 12⁴⁵

PROBLEMS AND REMARKS

SESSION 3. **CHAIR:** PETER VOLKMANN

15¹⁵ – 15⁴⁰

HANS-HEINRICH KAIRIES

*On some problems concerning a sum type operator*15⁴⁰ – 16⁰⁵

ADOLF SCHLEIERMACHER

*On real places*16⁰⁵ – 16³⁰

KAROL BARON

On linear iterative equations for distribution functions

Coffee break

SESSION 4. **CHAIR:** HANS-HEINRICH KAIRIES

17⁰⁰ – 17²⁵

MACIEJ SABLIK

*A generalization of generalized bisymmetry*17²⁵ – 17⁵⁰

IMRE KOCSIS

*A bisymmetry equation on restricted domain*17⁵⁰ – 18¹⁵

JANUSZ BRZDĘK

On stability of the linear functional equation



P R O G R A M M E

TUESDAY, SEPTEMBER 19

SESSION 5. CHAIR: NICOLE BRILLOUET-BELLUOT

9 ¹⁵ – 9 ⁴⁰	ROMAN GER	<i>On a functional congruence related to Gołab-Schinzel equation</i>
9 ⁴⁰ – 10 ⁰⁵	ANNA MUREŃKO	<i>On solutions of some conditional generalizations of the Gołab-Schinzel equation</i>
10 ⁰⁵ – 10 ³⁰	ELIZA JABŁOŃSKA	<i>Solutions of a generalized Gołab-Schinzel functional equation</i>
10 ³⁰ – 10 ⁵⁵	JACEK CHUDZIAK	<i>Stability of the Gołab-Schinzel functional equation</i>
Coffee break		

SESSION 6. CHAIR: ROMAN GER

11 ¹⁵ – 11 ⁴⁰	JÓZEF TABOR	<i>Restricted stability of the Cauchy equation in metric semigroups</i>
11 ⁴⁰ – 12 ⁰⁵	ROMAN BADORA	<i>On the stability of the nonlinear functional equation</i>
12 ⁰⁵ – 12 ³⁰	JACEK TABOR	<i>Shadowing with multidimensional time in Banach spaces</i>
12 ³⁰ – 12 ⁴⁵	PROBLEMS AND REMARKS	

SESSION 7. CHAIR: JÓZEF TABOR

15 ¹⁵ – 15 ⁴⁰	BORIS PANEAH	<i>Strong stability of functional equations in several variables</i>
15 ⁴⁰ – 16 ⁰⁵	ZOLTÁN KAISER	<i>On stability of the Fréchet equation</i>
16 ⁰⁵ – 16 ³⁰	ADAM NAJDECKI	<i>On the stability of some generalization of Cauchy's, d'Alembert's and quadratic functional equations</i>
Coffee break		

SESSION 8. CHAIR: BORIS PANEAH

17 ⁰⁰ – 17 ²⁵	MAREK ŻOLDAK	<i>Asymptotic stability of isometries in p-homogeneous F-spaces</i>
17 ²⁵ – 17 ⁵⁰	ALINA GLESKA	<i>Oscillatory properties of solutions of nonhomogeneous difference equations</i>
17 ⁵⁰ – 18 ¹⁵	WIESŁAWA NOWAKOWSKA	<i>Sufficient conditions for the oscillation of solutions of iterative functional equations</i>



P R O G R A M M E

WEDNESDAY, SEPTEMBER 20

SESSION 9. **CHAIR:** ADOLF SCHLEIERMACHER

$9^{15} - 9^{40}$	DANIÈLE FOURNIER-PRUNARET	<i>Attractors bifurcations and basins in two-dimensional and three-dimensional biological models based on logistic maps</i>
$9^{40} - 10^{05}$	VSEVOLOD SAKBAEV	<i>On the spaces of functions integrable with respect to finite additive measure and the generalized convergence</i>
$10^{05} - 10^{30}$	BRUNO BRIVE	<i>Differential equations of infinite order</i>
$10^{30} - 10^{55}$	MAGDALENA PISZCZEK	<i>On a multivalued second order differential problem</i>
Coffee break		

SESSION 10. **CHAIR:** LÁSZLO LOSONCZI

$11^{15} - 11^{40}$	FRUzsina MÉSZÁROS	<i>Functional equations on group</i>
$11^{40} - 12^{05}$	ANDRZEJ MACH	<i>On some functional equations involving with involution</i>
$12^{05} - 12^{30}$	SZYMON WĄSOWICZ	<i>On error bounds for Gauss–Legendre and Lobatto quadrature rules</i>
$12^{30} - 12^{45}$	PROBLEMS AND REMARKS	



P R O G R A M M E

THURSDAY, SEPTEMBER 21

SESSION 11. CHAIR: JANUSZ MATKOWSKI

$9^{15} - 9^{40}$	ZSOLT PÁLES	<i>A regularity problem concerning the equality of generalized quasi-arithmetic means</i>
$9^{40} - 10^{05}$	PÁL BURAI	<i>On the equivalence of equations involving means and the solution to a problem of Daróczy</i>
$10^{05} - 10^{30}$	DOROTA GŁAZOWSKA	<i>An invariance of geometric mean with respect to Lagrangean means</i>
$10^{30} - 10^{55}$	JUSTYNA JARCZYK	<i>Invariance in the class of quasi-arithmetic means with function weights</i>

Coffee break

SESSION 12. CHAIR: ATTILA GILÁNYI

$11^{15} - 11^{40}$	IWONA PAWLIKOWSKA	<i>Flett-type means II</i>
$11^{40} - 12^{05}$	BARBARA KOCŁĘGA-KULPA	<i>On some equation connected with Hadamard inequalities</i>
$12^{05} - 12^{30}$	ÁGOTA OROSZ	<i>Difference equations on discrete polynomial hypergroups</i>
$12^{30} - 12^{45}$	PROBLEMS AND REMARKS	

SESSION 13. CHAIR: WITOLD JARCZYK

$15^{15} - 15^{40}$	VEERAPAZHAM MURUGAN	<i>Smooth solutions for a functional equation involving series of iterates</i>
$15^{40} - 16^{05}$	JOACHIM DOMSTA	<i>Regular iteration of homeomorphisms of intervals</i>
$16^{05} - 16^{30}$	BARBARA PRZEBIERACZ	<i>Weak almost iterability</i>

Coffee break

SESSION 14. CHAIR: JOACHIM DOMSTA

$17^{00} - 17^{25}$	XIAOPEI LI	<i>An iterative equation on the unit circle</i>
$17^{25} - 17^{50}$	PAWEŁ SOLARZ	<i>Iterative roots for homeomorphisms with a rational rotation number</i>
$17^{50} - 18^{15}$	GRAŻYNA ŁYDZIŃSKA	<i>On some set-valued iteration semigroups</i>



P R O G R A M M E

FRIDAY, SEPTEMBER 22

SESSION 15. CHAIR: KAROL BARON

9 ¹⁵ – 9 ⁴⁰	JANUSZ WALORSKI	<i>On some solutions of the Schröder equation in Banach spaces</i>
9 ⁴⁰ – 10 ⁰⁵	JANUSZ MORAWIEC	<i>On a refinement type equation</i>
10 ⁰⁵ – 10 ³⁰	DARIUSZ SOKOŁOWSKI	<i>Solutions with exponential character to a linear functional equation and roots of its characteristic equation</i>
10 ³⁰ – 10 ⁵⁵	PETER VOLKMANN	<i>Characterization of the absolute value of complex linear functionals by functional equations</i>

Coffee break

SESSION 16. CHAIR: THOMAS M.K. DAVISON

11 ¹⁵ – 11 ⁴⁰	LYUDMILA S. EFREMOVA	<i>On homoclinic points of C^1-smooth skew products of interval maps</i>
11 ⁴⁰ – 12 ⁰⁵	ELENA V. BLINOVA	<i>On Ω-explosions in smooth skew products of interval maps</i>
12 ⁰⁵ – 12 ³⁰	ELENA MAKHROVA	<i>Dendrites with the periodic points property</i>
12 ³⁰ – 12 ⁴⁵	PROBLEMS AND REMARKS	

SESSION 17. CHAIR: MACIEJ SABLIK

15 ¹⁵ – 15 ⁴⁰	WITOLD JARCZYK	<i>Almost convex functions on Abelian groups</i>
15 ⁴⁰ – 16 ⁰⁵	ATTILA GILÁNYI	<i>Bernstein–Doetsch and Sierpiński theorems for (M, N)-convex functions</i>
16 ⁰⁵ – 16 ³⁰	JACEK MROWIEC	<i>Generalized convex functions in linear spaces</i>

Coffee break

SESSION 18. CHAIR: ZSOLT PÁLES

17 ⁰⁰ – 17 ²⁵	MIROSLAW ADAMEK	<i>On generalized affine functions</i>
17 ²⁵ – 17 ⁵⁰	ANDRZEJ OLBRYŚ	<i>A characterization of $(t_1, \dots, t_n)$-Wright affine functions</i>
17 ⁵⁰ – 18 ¹⁵	ARKADIUSZ LISAK	<i>A characterization of some operators by functional equations</i>



P R O G R A M M E

SATURDAY, SEPTEMBER 23

SESSION 19. **CHAIR:** ROMAN BADORA

9¹⁵ – 9⁴⁰ ANNA BAHYRYCZ *Forti's example of an unstable homomorphism equation*

9⁴⁰ – 10⁰⁵ BOGDAN BATKO *Superstability of some alternative Cauchy functional equations*

10⁰⁵ – 10³⁰ STANISŁAW SIUDUT *Stability of the Cauchy equation for convolutions*

Coffee break

SESSION 20. **CHAIR:** BOGDAN CHOCZEWSKI

11⁰⁰ – 11²⁵ JACEK CHMIELIŃSKI *Orthogonality preserving property, Wigner equation and stability*

11²⁵ – 11⁵⁰ DOROTA KRASSOWSKA *On a nonlinear simultaneous system of functional inequalities*

11⁵⁰ – 12¹⁵ MAREK CZERNI *Comparison theorems for nonlinear functional inequalities*

12¹⁵ **CLOSING**