



PROGRAMME

MONDAY, SEPTEMBER 14

8³⁰**OPENING ADDRESS** JANUSZ BRZDĘK, Chairman of the 13th ICFEI**SESSION 1. CHAIR: ROMAN GER**

Opening lecture

8⁴⁵ – 9⁴⁵

GIAN LUIGI FORTI

*Symbolic dynamics generated by graphs*9⁴⁵ – 10⁰⁰

Coffee break

SESSION 2. CHAIR: ZOLTÁN DARÓCZY10⁰⁰ – 10²⁰

ROMAN GER

*On a problem of Cuculière*10²⁵ – 10⁴⁰

MACIEJ SABLİK

*Bisymmetrical functionals*10⁴⁵ – 11⁰⁰

VLADIMIR MITYUSHEV

*Application of functional equations to determination of the effective conductivity of composites with elliptical inclusions*11⁰⁵ – 11⁴⁵

Coffee break

SESSION 3. CHAIR: MACIEJ SABLİK11⁴⁵ – 12⁰⁰

DORIAN POPA

*A property of a functional inclusion connected with Hyers-Ulam stability*12⁰⁵ – 12²⁰

ATTILA GILÁNYI

*Conditional stability of monomial functional equations*12²⁵ – 12⁴⁰

KRZYSZTOF CIEPLIŃSKI

*Stability of the multi-Jensen equation***SESSION 4. CHAIR: NICOLE BRILLOUËT-BELLUOT**15⁰⁰ – 15²⁰

KAZIMIERZ NIKODEM

*Remarks on strongly convex functions*15²⁵ – 15⁴⁰

ATTILA HÁZY

*Bernstein-Doetsch type results for h -convex functions*15⁴⁵ – 16⁰⁰

PÁL BURAI

*Some results on Orlicz-convex functions*16⁰⁵ – 16³⁰

Coffee break

SESSION 5. CHAIR: KAZIMIERZ NIKODEM16³⁰ – 16⁴⁵

ZSOLT PÁLES

*An application of Blumberg's theorem in the comparison of weighted quasi-arithmetic means*16⁵⁰ – 17⁰⁵

ZOLTÁN DARÓCZY

*On an elementary inequality and conjugate means*17¹⁰ – 17²⁵

JUDITA DASCÁL

*On conjugate means*17³⁰ – 17⁴⁵

Coffee break

SESSION 6. CHAIR: ATTILA GILÁNYI17⁴⁵ – 18⁰⁵

LAJOS MOLNÁR

*Characterizing some specific elements in spaces of operators and functions and its use*18¹⁰ – 18²⁵

MIHÁLY BESSENYEI

*On a class of single variable functional equations*18³⁰ – 18⁴⁵

ZBIGNIEW LEŚNIAK

On conjugacy of Brouwer homeomorphisms



P R O G R A M M E

TUESDAY, SEPTEMBER 15

SPECIAL SESSION IN HONOR OF THE 100th ANNIVERSARY OF THE BIRTHDAY OF S.M. ULAM

8⁴⁰ **OPENING ADDRESS** THEMISTOCLES M. RASSIAS, Chairman of the Special Session

SESSION 7. **CHAIR:** BOGDAN CHOCZEWSKI

8 ⁴⁵ – 9 ¹⁵	THEMISTOCLES M. RASSIAS	<i>Stanisław Marcin Ulam</i>
9 ²⁰ – 9 ⁵⁰	VLADIMIR YU. PROTASOV	<i>Lipschitz stability of linear operators in Banach spaces</i>
9 ⁵⁵ – 10 ¹⁵	JUSTYNA SIKORSKA	<i>A direct method for proving the Hyers-Ulam stability of some functional equations</i>
10 ²⁰ – 11 ⁰⁰	Coffee break	

SESSION 8. **CHAIR:** GIAN LUIGI FORTI

11 ⁰⁰ – 11 ²⁰	ROMAN BADORA	<i>Stability of some functional equations</i>
11 ²⁵ – 11 ⁴⁵	VIOREL RADU	<i>Ulam-Hyers stability of functional equations in locally convex probabilistic spaces : a fixed point method</i>
11 ⁵⁰ – 12 ¹⁰	LIVIU CĂDARIU	<i>Remarks on the fixed point method for Ulam-Hyers stability</i>
12 ¹⁵ – 12 ⁴⁵	BORIS PANEAH	<i>Several remarks on approximate solvability of the linear functional equations</i>

SESSION 9. **CHAIR:** ZSOLT PÁLES

15 ⁰⁰ – 15 ³⁰	STEFAN CZERWIK	<i>S.M. Ulam – his life and results in mathematics, physics and biology</i>
15 ³⁵ – 15 ⁵⁵	ZYGFRYD KOMINEK	<i>On a Jensen-Hosszú equation</i>
16 ⁰⁰ – 16 ¹⁵	Coffee break	

SESSION 10. **CHAIR:** DORIAN POPA

16 ¹⁵ – 16 ³⁰	JANUSZ BRZDĘK	<i>On nonstability of the linear recurrence of order one</i>
16 ³⁵ – 16 ⁵⁵	JÓZEF TABOR	<i>Jensen semiconcave functions with power moduli</i>
17 ⁰⁰ – 17 ²⁰	JACEK TABOR	<i>Approximate (ε, p)-midconvexity for $p \in [0, 1]$</i>

END OF SPECIAL SESSION

17²⁵ – 17⁵⁵ Coffee break

SESSION 11. **CHAIR:** JÓZEF TABOR

17 ⁵⁵ – 18 ¹⁰	MAREK ŻOŁDAK	<i>Bernstein-Doetsch type theorem for approximately convex functions</i>
18 ¹⁵ – 18 ³⁰	ANNA MUREŃKO	<i>A generalization of Bernstein-Doetsch theorem</i>
18 ³⁵ – 18 ⁵⁰	PROBLEMS AND REMARKS	

19³⁰ PICNIC



P R O G R A M M E

WEDNESDAY, SEPTEMBER 16

SESSION 12. CHAIR: WOLFGANG FÖRG-ROB

Lecture

8 ⁴⁵ – 9 ⁴⁵	HANS-HEINRICH KAIRIES	<i>A sum type operator</i>
9 ⁴⁵ – 10 ⁰⁰	Coffee break	

SESSION 13. CHAIR: BORIS PANEAH

10 ⁰⁰ – 10 ¹⁵	JOACHIM DOMSTA	<i>A comparison of quantum dynamical semigroups obtainable by mixing or partial tracing</i>
10 ²⁰ – 10 ⁴⁰	EKATERINA SHULMAN	<i>Stable quasi-mixing of the horocycle flow</i>
10 ⁴⁵ – 11 ⁰⁰	ANDREY A. NUYATOV	<i>Representation of space of entire functions of Fischer's pairs</i>
11 ⁰⁵ – 11 ³⁰	Coffee break	

SESSION 14. CHAIR: JOACHIM DOMSTA

11 ³⁰ – 11 ⁴⁵	KAROL BARON	<i>On Baire measurable solutions of some functional equations</i>
11 ⁵⁰ – 12 ⁰⁵	PETER VOLKMANN	<i>Continuity of solutions of a certain functional equation</i>
12 ¹⁰ – 12 ²⁵	JANUSZ MORAWIEC	<i>Refinement equations and Markov operators</i>

14⁰⁰ EXCURSION TO ZAKOPANE

20¹⁵ CONCERT



PROGRAMME

THURSDAY, SEPTEMBER 17

SESSION 15. CHAIR: KAROL BARON

Lecture

8 ⁴⁵ – 9 ⁴⁵	MAREK CEZARY ZDUN	<i>Iteration groups and semigroups – recent results</i>
9 ⁴⁵ – 10 ⁰⁰	Coffee break	

SESSION 16. CHAIR: MAREK CEZARY ZDUN

10 ⁰⁰ – 10 ¹⁵	DOROTA KRASSOWSKA	<i>On iteration semigroups containing generalized convex and concave functions</i>
10 ²⁰ – 10 ³⁵	JOLANTA OLKO	<i>On a family of multifunctions</i>
10 ⁴⁰ – 10 ⁵⁵	GRZEGORZ GUZIK	<i>On some disjoint iteration semigroups on the torus</i>
11 ⁰⁰ – 11 ⁴⁵	Coffee break	

SESSION 17. CHAIR: JACEK TABOR

11 ⁴⁵ – 12 ⁰⁰	JACEK CHUDZIAK	<i>Stability of a composite functional equation</i>
12 ⁰⁵ – 12 ²⁰	ANDRZEJ MACH	<i>Stability of some functional equations and open problems</i>
12 ²⁵ – 12 ⁴⁰	ADAM NAJDECKI	<i>On stability of some functional equation</i>

SESSION 18. CHAIR: GHEORGHE TOADER

15 ⁰⁰ – 15 ¹⁵	GYULA MAKSA	<i>Non-negative information functions revisited</i>
15 ²⁰ – 15 ³⁵	SVETLANA S. BELMESOVA	<i>On the unbounded invariant curves of some polynomial maps</i>
15 ⁴⁰ – 15 ⁵⁵	ANDREY S. FILCHENKOV	<i>On the simplest topologically transitive skew products in the plane</i>
16 ⁰⁰ – 16 ³⁰	Coffee break	

SESSION 19. CHAIR: GYULA MAKSA

16 ³⁰ – 16 ⁴⁵	GHEORGHE TOADER	<i>Invariance in some families of means</i>
16 ⁵⁰ – 17 ⁰⁵	SZABOLCS BAJÁK	<i>Invariance equations for Gini and Stolarsky means</i>
17 ¹⁰ – 17 ²⁵	DOROTA GŁAZOWSKA	<i>An invariance of the geometric mean with respect to the Cauchy mean-type mappings</i>
17 ³⁰ – 17 ⁴⁵	Coffee break	

SESSION 20. CHAIR: JACEK CHUDZIAK

17 ⁴⁵ – 18 ⁰⁰	NICOLE BRILLOUËT-BELLUOT	<i>Some further results concerning a conditional Gőtz-Schinzel equation</i>
18 ⁰⁵ – 18 ²⁰	ELIZA JABŁOŃSKA	<i>About solutions of a generalized Gőtz-Schinzel equation</i>
18 ²⁵ – 18 ⁴⁵	PROBLEMS AND REMARKS	

19³⁰ BANQUET



P R O G R A M M E

FRIDAY, SEPTEMBER 18

SESSION 21. CHAIR: ANDRZEJ SMAJDOR

8 ⁴⁵ – 9 ⁰⁰	ANNA BAHYRYCZ	<i>On the systems of equations with unknown multifunctions</i>
9 ⁰⁵ – 9 ²⁰	MAGDALENA PISZCZEK	<i>On multivalued iteration semigroups</i>
9 ²⁵ – 9 ⁴⁰	EWELINA MAINKA	<i>On uniformly continuous Nemytskii operators generated by set-valued functions</i>
9 ⁴⁵ – 10 ⁰⁰	Coffee break	

SESSION 22. CHAIR: PETER VOLKMANN

10 ⁰⁰ – 10 ¹⁵	ESZTER GSELMANN	<i>On the stability of derivations</i>
10 ²⁰ – 10 ³⁵	ZOLTÁN BOROS	<i>Inequalities for pairs of additive functions</i>
10 ⁴⁰ – 10 ⁵⁵	JUDIT MAKO	<i>On φ-convexity</i>
11 ⁰⁰ – 11 ¹⁵	FRUZSINA MÉSZÁROS	<i>Density function solutions of a functional equation</i>
11 ²⁰ – 11 ⁵⁰	Coffee break	

SESSION 23. CHAIR: HANS-HEINRICH KAIRIES

11 ⁵⁰ – 12 ⁰⁵	BARBARA SOBEK	<i>Quadratic equation of Pexider type on a restricted domain</i>
12 ¹⁰ – 12 ²⁵	EWA RAK	<i>Domination and distributivity inequalities</i>
12 ³⁰ – 12 ⁴⁵	BARTOSZ MICHERDA	<i>On the properties of four elements in function spaces</i>

SESSION 24. CHAIR: VIOREL RADU

15 ⁰⁰ – 15 ²⁰	JACEK CHMIELIŃSKI	<i>Stability of linear isometries and orthogonality preserving mappings</i>
15 ²⁵ – 15 ⁴⁰	JOANNA SZCZAWIŃSKA	<i>Some remarks on a family of multifunctions</i>
15 ⁴⁵ – 16 ⁰⁰	JACEK MROWIEC	<i>On stability of some functional equation</i>
16 ⁰⁵ – 16 ³⁰	Coffee break	

SESSION 25. CHAIR: ZYGFRYD KOMINEK

16 ³⁰ – 16 ⁴⁵	BARBARA KOCLĘGA-KULPA	<i>On a class of equations stemming from various quadrature rules</i>
16 ⁵⁰ – 17 ⁰⁵	TOMASZ SZOSTOK	<i>On a functional equation stemming from some property of triangles</i>
17 ¹⁰ – 17 ²⁵	ANDRZEJ OLBRYS	<i>On some inequality connected with Wright convexity</i>
17 ³⁰ – 17 ⁴⁵	Coffee break	

SESSION 26. CHAIR: STEFAN CZERWIK

17 ⁴⁵ – 18 ⁰⁵	BORIS PANEAH	<i>On approximate solvability of the Cauchy equation of arbitrary degree</i>
18 ¹⁰ – 18 ²⁵	VLADIMIR YU. PROTASOV	<i>Euler binary partition function and refinement equations</i>
18 ³⁰ – 18 ⁴⁵	PROBLEMS AND REMARKS	

18⁴⁵ CLOSING OF THE ICFEI

20¹⁵ CONCERT