



58th International Symposium on Functional Equations

June 19–26, 2022, Innsbruck, Austria
Dedicated to the memory of the founder János Aczél

Programme of the 58th ISFE

Monday, June 20th

9:00-9:15 Opening of the Symposium (Maciej Sablik)

I MS, Chair: Jürg Rätz

9:15-11:00 Special session dedicated to the memory of J. Aczél, in particular

Zsolt Páles, *Associativity, bisymmetry and distributivity - a tribute to János Aczél.*

11:00- 11:45 Coffee break

II MS, Chair: Ludwig Reich

11:45-12:05 Roman Ger, *Symmetry of syzygies of a system of functional equations defining a ring homomorphism.*

12:10-12:30 Kazimierz Nikodem, *A characterization of quasi-arithmetic set-valued means.*

Lunch 13:00-14:00

I AS, Chair: László Székelyhidi

15:00-15:20 Justyna Jarczyk, *On various concepts of means and iterates of maps built of them, part I.*

15:25-15:45 Witold Jarczyk, *On various concepts of means and iterates of maps built of them, part II.*

15:50-16:10 Richárd Grünwald, *On the invariance of the arithmetic mean with respect to generalized Bajraktarević means.*

16:15-16:45 Coffee break

II AS, Chair: Gian Luigi Forti

16:45-17:05 Paweł Pasteczka, *The ultimate characterization of the Jensen convexity of quasiarithmetic means.*

17:10-17:30 Dorota Głazowska, *Invariance equations involving generalized classical weighted means.*

17:35 Problems & Remarks

19:00-20:00 Dinner



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Tuesday, June 21st

I MS, Chair: Roman Ger

9:00-9:45 László Székelyhidi, *János Aczél in his own work.*

9:50-10:10 Gergő Kiss, *Bisymmetry and continuity.*

10:15-10:45 Coffee break

II MS, Chair: Zsolt Páles

10:45-11:05 Michał Lewandowski, *Discounted incremental utility.*

11:10-11:30 Tibor Kiss, *On the invariance problem of Matkowski means.*

Lunch 13:00-14:00

I AS, Chair: Detlef Gronau

15:00-15:20 Masaaki Amou, *Quadratic functions satisfying an additional equation.*

15:25-15:45 Zoltán Boros, *Quadratic functions fulfilling a nice condition along a hyperbola.*

15:50-16:10 Gian Luigi Forti, *Some results on a conditional quadratic functional equation.*

16:15-16:45 Coffee break

II AS, Chair: Mihály Bessenyei

16:45-17:05 Andrzej Olbryś, *Nonsymmetric version of Wright convexity, part I.*

17:10-17:30 Tomasz Szostok, *Nonsymmetric version of Wright convexity, part II.*

17:35 Problems & Remarks

Dinner 19:00-20:00



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Wednesday, June 22nd

I AS, Chair: Jacek Chmieliński

9:00-11:30 Special Session on “Various aspects of functional equations and inequalities occurring in functional analysis”

Contributors: Jürg Rätz, Roman Badora, Justyna Sikorska, Jacek Chmieliński

9:50-10:45 Coffee break

Lunch 12:30-13:25

Excursion starts at 13:30, return between 21:00 and 22:00



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Thursday, June 23rd

I MS, Chair: Justyna Sikorska

9:00-9:20 Mihály Bessenyei, *Support theorems for generalized monotone functions.*

9:25-9:45 Evelin Péntzes, *Generalized fractals in semimetric spaces.*

9:50-10:45 Coffee break

II MS, Chair: Attila Gilányi

10:45-11:05 Teresa Rajba, *On the Raşa inequality for convex functions.*

11:10-11:30 Mirosław Adamek, *Ohlin's type result for F-convex functions.*

Lunch 12:00-13:00

I AS, Chair: Kazimierz Nikodem

15:00-15:20 Henrik Stetkaer, *Homomorphisms of product semigroups.*

15:25-15:45 Kazuki Okamura, *Non-existence of measurable solutions of certain functional equations via probabilistic approaches*

15:50-16:45 Coffee break

II AS, Chair: Zoltán Boros

16:45-17:05 Cristina Serpa, *From functional analysis to Fractal Regression Functions.*

17:10-17:30 Milica Klaričić Bakula, *Some generalizations of the Chebyshev inequality.*

17:35 Problems & Remarks

Dinner 19:00-20:00



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Friday, June 24th

I MS, Chair: Eszter Gselmann

9:00-9:20 Jacek Chudziak, *Remarks on solutions of the translation equation.*

9:25-9:45 Fedor Pakovich, *On the functional equation $AoB=CoD$ in rational functions.*

9:50-10:45 Coffee break

II MS, Chair: Jacek Chudziak

10:45-11:05 Eszter Gselmann, *Moment functions on groups and on hypergroups.*

11:10-11:30 Gábor Molnár, *On convex and concave sequences and their applications.*

11:35 Problems & Remarks

Lunch, 13:00-14:00

17:35 **Banquet 19:00 -**



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Saturday, June 25th

I MS, Chair: Henrik Stetkaer

9:00-9:20 Bettina Wilkens, *Local spectral synthesis and 2-cohomology.*

9:25-9:45 Maciej Sablik, *Characterizing polynomials on convex subsets of linear spaces.*

9:50-10:10 Attila Gilányi, *On computer assisted determination of the m -convex hulls of sets in the plane.*

10:15 Problems & Remarks

10:45-11:15 Coffee break (Scientific Committee meeting)

11:15 II MS, Closing of the Symposium (Roman Ger)

Lunch, 13:00-14:00

Dinner, 19:00-20:00



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Sunday, June 26th

8:00-9:00 Breakfast

Departure