



# P R O G R A M M E

## MONDAY, SEPTEMBER 8

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9<sup>00</sup>      **OPENING ADDRESS** JANUSZ BRZDĘK, Chairman of the 12th ICFEI

SESSION 1.    **CHAIR:** BOGDAN CHOCZEWSKI

- 9<sup>15</sup> – 10<sup>15</sup>      ROMAN GER      *On functional equations related to functional analysis – selected topics*
- 10<sup>30</sup> – 10<sup>50</sup>      THEMISTOCLES M. RASSIAS      *On some major trends in mathematics*
- 10<sup>55</sup> – 11<sup>30</sup>      Coffee break

SESSION 2.    **CHAIR:** ROMAN GER

- 11<sup>30</sup> – 11<sup>50</sup>      HANS-HEINRICH KAIRIES      *On Artin type characterizations of the Gamma function*
- 11<sup>55</sup> – 12<sup>15</sup>      BORIS PANEAH      *On the solvability of the identifying problem for general functional operators with linear arguments*
- 12<sup>20</sup> – 12<sup>40</sup>      TAKESHI MIURA      *A note on stability of Volterra type integral equation*

SESSION 3.    **CHAIR:** THEMISTOCLES M. RASSIAS

- 15<sup>45</sup> – 16<sup>05</sup>      VIOREL RADU      *The fixed point method to generalized stability of functional equations in abstract normed and random normed spaces*
- 16<sup>10</sup> – 16<sup>30</sup>      LIVIU CĂDARIU      *Fixed points method for the generalized stability of functional equations in a single variable*
- 16<sup>35</sup> – 16<sup>55</sup>      JANUSZ BRZDĘK      *Fixed point results and stability of functional equations in single variable*
- 17<sup>00</sup> – 17<sup>30</sup>      Coffee break

SESSION 4.    **CHAIR:** JÓZEF TABOR

- 17<sup>30</sup> – 17<sup>50</sup>      JUSTYNA SIKORSKA      *On a conditional exponential functional equation and its stability*
- 17<sup>55</sup> – 18<sup>15</sup>      ADAM NAJDECKI      *On stability of some functional equation*
- 18<sup>20</sup> – 18<sup>45</sup>      PROBLEMS AND REMARKS



# P R O G R A M M E

## TUESDAY, SEPTEMBER 9

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### SESSION 5. CHAIR: HANS-HEINRICH KAIRIES

- 9<sup>15</sup> – 10<sup>15</sup> KAROL BARON *Random-valued functions and iterative equations*
- 10<sup>30</sup> – 10<sup>50</sup> JANUSZ MORAWIEC *On the set of probability distribution solutions of a linear equation of infinite order*
- 10<sup>55</sup> – 11<sup>30</sup> Coffee break

### SESSION 6. CHAIR: KAROL BARON

- 11<sup>30</sup> – 11<sup>50</sup> JOACHIM DOMSTA *An example of a group of commuting boosts*
- 11<sup>55</sup> – 12<sup>15</sup> WITOLD JARCZYK *Iterability in a class of mean-type mappings*
- 12<sup>20</sup> – 12<sup>40</sup> PAWEŁ SOLARZ *Some iterative roots for homeomorphisms with periodic points*

### SESSION 7. CHAIR: ADOLF SCHLEIERMACHER

- 15<sup>45</sup> – 16<sup>05</sup> TOMASZ SZOSTOK *On an equation connected to Lobatto quadrature rule*
- 16<sup>10</sup> – 16<sup>30</sup> SZYMON WĄSOWICZ *On some inequalities between quadrature operators*
- 16<sup>35</sup> – 16<sup>55</sup> ARKADIUSZ LISAK *Some remarks on solutions of functional equations stemming from trapezoidal rule*
- 17<sup>00</sup> – 17<sup>30</sup> Coffee break

### SESSION 8. CHAIR: STEFAN CZERWIK

- 17<sup>30</sup> – 17<sup>50</sup> ZYGFRYD KOMINEK *Stability of a quadratic functional equation on semigroups*
- 17<sup>55</sup> – 18<sup>15</sup> MARCIN ADAM *On the double quadratic difference property*
- 18<sup>20</sup> – 18<sup>45</sup> PROBLEMS AND REMARKS

19<sup>00</sup> PICNIC

POLAND, BĘDLEWO 2008



# P R O G R A M M E

## WEDNESDAY, SEPTEMBER 10

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### SESSION 9. CHAIR: ZYGFRYD KOMINEK

$9^{15} - 9^{35}$	ZOLTÁN DARÓCZY	<i>Nonconvexity and its application</i>
$9^{40} - 10^{00}$	JÓZEF TABOR	<i>Generalized approximate midconvexity</i>
$10^{05} - 10^{25}$	JACEK TABOR	<i>Extensions of conditionally convex functions</i>
$10^{30} - 10^{50}$	Coffee break	

### SESSION 10. CHAIR: WITOLD JARCZYK

$10^{50} - 11^{10}$	ANDRZEJ OLBRYŚ	<i>On some functional inequality connected with <math>t</math>-Wright convexity and Jensen-convexity</i>
$11^{15} - 11^{35}$	JACEK MROWIEC	<i>On nonsymmetric <math>t</math>-convex functions</i>
$11^{40} - 12^{00}$	JUDITA DASCÁL	<i>On a functional equation with a symmetric component</i>

$13^{15}$  EXCURSION TO POZNAŃ

$20^{30}$  CONCERT



# P R O G R A M M E

## THURSDAY, SEPTEMBER 11

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### SESSION 11. CHAIR: ZOLTÁN DARÓCZY

- 9<sup>15</sup> – 10<sup>15</sup> ZSOLT PÁLES *Comparison theorems in various classes of generalized quasi-arithmetic means*
- 10<sup>30</sup> – 10<sup>50</sup> MIROSŁAW ADAMEK *On two variable functional inequality and related functional equation*
- 10<sup>55</sup> – 11<sup>30</sup> Coffee break

### SESSION 12. CHAIR: ZSOLT PÁLES

- 11<sup>30</sup> – 11<sup>50</sup> MACIEJ SABLİK *Generalized homogeneity of some means*
- 11<sup>55</sup> – 12<sup>15</sup> DOROTA GŁAZOWSKA *An invariance of the geometric mean in the class of Cauchy means*
- 12<sup>20</sup> – 12<sup>40</sup> JUSTYNA JARCZYK *On an equation involving weighted quasi-arithmetic means*

### SESSION 13. CHAIR: JUSTYNA SIKORSKA

- 15<sup>45</sup> – 16<sup>05</sup> JACEK CHUDZIAK *On some property of the Gołab-Schinzel equation*
- 16<sup>10</sup> – 16<sup>30</sup> ANNA MUREŃKO *A generalization of the Gołab-Schinzel functional equation*
- 16<sup>35</sup> – 16<sup>55</sup> ELIZA JABŁOŃSKA *On Christensen measurability and a generalized Gołab-Schinzel equation*
- 17<sup>00</sup> – 17<sup>30</sup> Coffee break

### SESSION 14. CHAIR: KONRAD J. HEUVERS

- 17<sup>30</sup> – 17<sup>50</sup> EWA RAK *Distributivity between uninorms and nullnorms*
- 17<sup>55</sup> – 18<sup>15</sup> FRUZSINA MÉSZÁROS *Functional equations stemming from probability theory*
- 18<sup>20</sup> – 18<sup>30</sup> PROBLEMS AND REMARKS

19<sup>00</sup> BANQUET



# P R O G R A M M E

## FRIDAY, SEPTEMBER 12

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### SESSION 15. CHAIR: VIOREL RADU

- 9<sup>15</sup> – 9<sup>45</sup> NICOLE BRILLOUËT-BELLUOT *Some aspects of functional equations in physics presented by JOACHIM DOMSTA*
- 9<sup>55</sup> – 10<sup>15</sup> ALEKSEJ TURNŠEK *Mappings approximately preserving orthogonality*
- 10<sup>20</sup> – 10<sup>40</sup> WIRGINIA WYROBEK *Measurable orthogonally additive functions modulo a discrete subgroup*
- 10<sup>45</sup> – 11<sup>15</sup> Coffee break

### SESSION 16. CHAIR: JOACHIM DOMSTA

- 11<sup>15</sup> – 11<sup>35</sup> EKATERINA SHULMAN *Some extensions of the Levi-Civita equation*
- 11<sup>40</sup> – 12<sup>00</sup> KONRAD J. HEUVERS *Some partial Cauchy difference equations for dimension two*
- 12<sup>05</sup> – 12<sup>25</sup> STEFAN CZERWIK *Effective formulas for the Stirling numbers*

### SESSION 17. CHAIR: JACEK TABOR

- 15<sup>45</sup> – 16<sup>05</sup> WŁODZIMIERZ FECHNER *On some functional-differential inequalities related to the exponential mapping*
- 16<sup>10</sup> – 16<sup>30</sup> MAGDALENA PISZCZEK *On a multivalued second order differential problem with Jensen multifunctions*
- 16<sup>35</sup> – 16<sup>55</sup> BARBARA SOBEK *Pexider equation on a restricted domain*
- 17<sup>00</sup> – 17<sup>30</sup> Coffee break

### SESSION 18. CHAIR: EKATERINA SHULMAN

- 17<sup>30</sup> – 17<sup>50</sup> KRZYSZTOF KRÓL *Application the least squares method and the decomposition method to solving functional equations*
- 17<sup>55</sup> – 18<sup>15</sup> ANNA BAHYRYCZ *A system of functional equations related to plurality functions*
- 18<sup>20</sup> – 18<sup>45</sup> PROBLEMS AND REMARKS

20<sup>30</sup> CONCERT

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# P R O G R A M M E

SATURDAY, SEPTEMBER 13

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SESSION 19. **CHAIR:** JANUSZ MORAWIEC

- $9^{15} - 9^{35}$       JIAN WANG      *The relation between isometric and affine operators on  $F^*$ -spaces*
- $9^{40} - 10^{00}$       VLADIMIR PROTASOV      *Self-similarity equations in  $L_p$  spaces*
- $10^{05} - 10^{30}$       PROBLEMS AND REMARKS
- $10^{30} - 11^{00}$       Coffee break

SESSION 20. **CHAIR:** MACIEJ SABLIK

- $11^{00} - 11^{20}$       MAREK CZERNI      *Representation theorems for solutions of a system of linear inequalities*
- $11^{25} - 11^{45}$       BOGDAN CHOCZEWSKI      *Special solutions of an iterative functional inequality of second order*
- $11^{50}$       **CLOSING OF THE ICFEI**

WORKSHOP