### August 28, Monday

8.30 - 9.15	Registration
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9.20 - 9.30 **Opening** 

Chair: L. Mišík

9.30 - 10.10 **K. Győry** 

12.00 - 12.20 N. Adžaga

Integral polynomials of given discriminant and their applications

#### Coffee break

Chair:	R. Kučera	
10.40 - 11.00	Š. Porubský	Uniform distribution of the weighted sum-of-digits functions II
11.05 - 11.25	B. Jadrijevič	Characterization of quadratic $\varepsilon$ -CNS polynomials
11.30 - 11.50	K. Gyarmati	Random polynomials in Legendre symbol sequences
11.55 - 12.15	T. Karam	Ranges control degree ranks of multivariate polynomials over finite prime fields
12.00 12.20	N Adžaga	Asymptotics of the number of $D(q)$ -pairs and

D(q)-triples via L-functions

#### Lunch time

Chair:	L. Hajdu	
14.00 - 14.20	B. Sobolewski	Hankel determinants associated with weighted binary sum of digits
14.25 - 14.45	D. Gayfulin	Second best approximations and the Lagrange spectrum
14.50 - 15.10	A. Munagi	Development of perfect partitions of numbers
15.15 - 15.35	M. Tinková	Additive structure of non-monogenic simplest cubic fields

#### Coffee break

Chair:	Sz. Tengely	
16.00 - 16.20	N. Varga	Polynomial values of Littlewood polynomials
16.25 - 16.45	K. Müllner	Test of measures of pseudorandom binary sequences
16.50 - 17.10	G. Batta	On higher power Diophantine tuples
17.15 - 17.35	F. Rami	About Pascal-like triangles

### August 29, Tuesday

Chair:	R. Tichy	
9.00 - 9.40	R. Kučera	Annihilators of the class group of an Abelian field
9.45 - 10.05	I. Gaál	Monogenity and power integral bases of algebraic number fields
10.10 - 10.30	L. Major	Enumerating self-avoiding walks of prescribed lengths on finite grids

#### Coffee break

Chair:	Š. Porubský	
11.00 - 11.20	D. Kreso	Pillai's problems with polynomials
11.25 - 11.45	F. Filip	Matrix densities and the relations between them
11.50 - 12.10	L. Remete	Monogenity of pure relative quartic extensions of $\mathbb{Q}(i)$
12.15 - 12.35	K. Gajdzica	Some problems related to the restricted partition function $p_{\mathcal{A}}(n,k)$

#### Lunch time

Chair:	L. Major	Péter Kiss Memorial Section
14.00 - 14.40	H. Belbachir	Linear recurrences in binomial coefficient triangle and its extensions
14.45 - 15.05	K Lintai	Random inhomogeneous binary recurrence
	-	Incomplete bicomplex generalized Fibonacci
15.10 - 15.30	N. Aït-Amrane	polynomials
15.35 - 15.55	N. Irmak	The k-generalized Lucas numbers and the inequality $ L_n^{(k)} - 2^m  < 2^{m/2}$

#### Coffee break

Chair:	D. Gayfulin	
16.20 - 16.40	M. Genčev.	On a parametric $K$ -fold infinite series
16.45 - 17.05	A. Bazsó	Recent Diophantine results on power sums of arithmetic progressions
17.10 - 17.30	S. Tebtoub	About ellipses and integer sequences

Conference banquet: Nyugat Étterem (Restaurant Nyugat) in the main campus.

#### August 30, Wednesday

Chair:	A. Bérczes	
9.00 - 9.40	M. Ulas	Geometric progressions in the sets of values of rational functions
9.45 - 10.05	L. Hajdu	On polynomials having only rational roots
10.10 - 10.30	G. Walsh	Large rank specializations of Shioda's curve and a conjecture of Erdős on powerful numbers

#### Coffee break

Chair:	P. Young	
11.00 - 11.20	G. Nyul	Monogeneity and the minimal index of pure quartic fields
11.25 - 11.45	P. Francírek	Enlarging the Stickelberger ideal
11.50 - 12.10	B. Rago	A characterization of half-factorial orders in algebraic number fields
12.15 - 12.35	M. Pulikowski	Gauss congruences in algebraic number fields
12.40 - 13.00	R. Boumahdi	On the exponential Diophantine equation $(a^n - 1)(b^m - 1) = x^2$

#### Lunch time

## 14.00 Conference excursion to Eszterházy Palace, Fertőd, the "Hungarian Versailles"

The bus departs on Wednesday at 14:00 from the main entrance of the campus of University of Sopron. After visiting the palace in Fertőd (in two groups), the bus goes to Rupprecht Borozó (Sopron, Lőver körút 52.), where we have dinner.

## August 31, Thursday

Chair:	G. Walsh	
9.00 - 9.40	T. Miyazaki	Number of solutions to a special type of Pillai's equation
9.45 - 10.05	A. Pethő	Common values of linear recurrences related to Shank's simplest cubics
10.10 - 10.30	L. Mišík	On the set of maldistributed sequences in metric spaces

#### Coffee break

Chair:	B. Jadrijevič	
11.00 - 11.20	P. Young	Global series for height 1 zeta functions
11.25 - 11.45	L. Tóth	Menon's identity: proofs, generalizations and analogs
11.50 - 12.10	Sz. Tengely	Coloring collision problems
12.15 - 12.35	L. S. Altuzarra	Recent results on the geometry of numbers

#### Lunch time

Chair:	M. Ulas	
14.00 - 14.20	D. Nyirenda	Generalizing a theorem of Andrews
14.25 - 14.45	I. Pink	Additive Diophantine equations with binary recurrences, $S$ -units and several factorials
14.50 - 15.10	A. Racioui	The application of permutation groups in parking function
15.15 - 15.35	I. Vukusic	On a simple quartic family of Thue equations

#### Coffee break

Chair:	H. Belbachir	
16.00 - 16.20	I. Djellas	On some new identities involving $q$ -Fibonacci numbers
16.25 - 16.45 16.50 - 17.10		On the $q$ -Fibonacci and $q$ -Lucas sequences Lucas-Motzkin numbers

## September 1, Friday

Chair:	A. Munagi	
9.00 - 9.40	V. Ziegler	On Pillai's problem involving Lucas sequ-
		ences Effective results for division points on curves over
9.45 - 10.05	A. Bérczes	finitely generated domai
11.10 - 10.30	P. Miska	p-adic denseness of members of partitions of $N$ and $p$ -adic asymptotic densities

#### Coffee break

Chair:	L. Szalay	
11.00 - 11.20	T. Herendi	Automata and arithmetic in canonical number systems
11.25 - 11.45	S. Abbad	Zeckendorf's Lucas code and Lucas cube
11.50 - 12.10	T. Szakács	Repdigits in named sequences
12.15 - 12.35	M. Ouannas	Distribution of prime numbers

#### Closing