



**International Conference on Number Theory dedicated
to the 70th birthdays of Professors
Antanas Laurinčikas and Eugenijus Manstavičius**

PROGRAMME

Palanga, Lithuania, September 9-15, 2018

FACULTY OF MATHEMATICS AND INFORMATICS OF VILNIUS UNIVERSITY
LITHUANIAN MATHEMATICAL SOCIETY
ŠIAULIAI UNIVERSITY

**International Conference on Number Theory
dedicated to the 70th birthdays of Professors
Antanas Laurinčikas and Eugenijus Manstavičius**

Palanga, Lithuania, 9-15 September 2018

Organizing and Program Committee:

*Gediminas Stepanauskas (Vilnius University) –
Chairman of Conference Organizing Committee*

*Artūras Dubickas (Vilnius University) –
Chairman of the Program Committee*

Gintautas Bareikis (Vilnius University)

Paulius Drungilas (Vilnius University)

Virginija Garbaliuskienė (Šiauliai University)

Ramūnas Garunkštis (Vilnius University)

Renata Macaitienė (Šiauliai University)

Algirdas Mačiulis (Vilnius University)

Vilius Stakėnas (Vilnius University)

Vytautas Stepas (Vilnius University)

Mindaugas Stoncelis (Šiauliai University)

Darius Šiaučiūnas (Šiauliai University)

Jonas Šiaulys (Vilnius University)

PROGRAMME
10 SEPTEMBER (MONDAY)

„Žilvinas“, Kęstučio str. 32		
Chairman Gediminas Stepanauskas		
9:30 – 10:05	Ramūnas Garunkštis Vilnius University, Lithuania Renata Macaitienė Šiauliai University, Lithuania	The scientific work of Antanas Laurinčikas
10:15 – 10:50	Vilius Stakėnas Vilnius University, Lithuania	The cycles and permutations of Professor Eugenijus Manstavičius life
10:50 – 11:30	Coffee break	
Chairman Ramūnas Garunkštis		
11:30 – 11:55	Łukasz Pańkowski Adam Mickiewicz University, Poland	Discrete joint universality of dependent L -functions
12:00 – 12:25	Mehmet Cenkeci Akdeniz University, Turkey	A two-variable Dirichlet series and its applications
12:30 – 12:55	Hidehiko Mishou Tokyo Denki University, Japan	Joint denseness of Hurwitz zeta functions with algebraic irrational parameters in $\text{Re } s > 1$
13:00 – 15:00	Lunch break	
„Žilvinas“, Kęstučio str. 32		
Chairwoman Renata Macaitienė		
15:00 – 15:20	Hiroataka Kobayashi Nagoya University, Japan	On the discrete mean of the derivative of Hardy function
15:25 – 15:45	Masahiro Mine Tokyo Institute of Technology, Japan	The density function for the value-distribution of Lerch zeta-functions and its applications
15:50 – 16:10	Roma Kačinskaitė Vytautas Magnus University, Lithuania	On the joint mixed universality theorems for certain periodic zeta-functions
16:15 – 16:35	Yuta Suzuki Nagoya University, Japan	On error term estimates à la Walfisz for mean values of arithmetic functions

„Romuva“, Birutės Alley 37a		
	Chairman Vilius Stakėnas	
15:00 – 15:20	Paulius Drungilas Vilnius University, Lithuania	On the degree of compositum of two number fields
15:25 – 15:45	Bartosz Sobolewski Jagiellonian University, Poland	On the last nonzero digits of $n!$
15:50 – 16:10	Wataru Takeda Nagoya University, Japan	The finiteness of solutions of Diophantine equation over number fields
16:15 – 16:35	Kota Saito Nagoya University, Japan	Arithmetic progressions in the graphs of slightly curved sequences
16:40 – 17:00	Anna Gusakova Bielefeld University, Germany	Distribution of complex algebraic numbers on the unit circle

11 SEPTEMBER (TUESDAY)

„Žilvinas“, Kęstučio str. 32		
	Chairman Kohji Matsumoto	
9:30 – 10:05	Eugenijus Manstavičius Vilnius University, Lithuania	A wander between probabilistic number theory and combinatorics
10:15 – 10:50	Antanas Laurinčikas Vilnius University, Lithuania	Effectivization problems of universality
10:50 – 11:30	Coffee break	
	Chairman Karl-Heinz Indlekofer	
11:30 – 11:55	Vasili Bernik Institute of Mathematics of National Academy of Sciences, Belarus	Upper and lower estimates for the number of polynomials with given discriminant
12:00 – 12:25	Alexey Ustinov Pacific National University, Russia	An elementary approach to Somos sequences
12:30 – 12:55	Levent Kargin Akdeniz University, Turkey	A generalization of the Arakawa-Kaneko zeta function
13:00 – 15:00	Lunch break	

„Žilvinas“, Kęstučio str. 32		
Chairman Hidehiko Mishou		
15:00 – 15:20	Darius Šiaučiūnas Šiauliai University, Lithuania	Joint value distribution of Hurwitz zeta-functions
15:25 – 15:45	Teerapat Srichan Kasetsart University, Thailand	Another equivalent for the Riemann hypothesis
15:50 – 16:10	Gediminas Vadeikis Vilnius University, Lithuania	A weighted universality theorem for the Hurwitz zeta-function
16:15 – 16:35	Raivydas Šimėnas Vilnius University, Lithuania	Value distribution of Selberg zeta-function
16:40 – 17:00	Sumaia Saad Eddin Johannes Kepler University, Austria	On the values of the Dirichlet L -functions and of their derivatives at $1+it_0$
„Romuva“, Birutės Alley 37a		
Chairman Alexey Ustinov		
15:00 – 15:20	Vytas Zacharovas Vilnius University, Lithuania	Central limit theorems for the number of parts in a partition
15:25 – 15:45	Mirac Cetin Baskent University, Turkey	Some results on q -analogue of the Chebyshev polynomials
15:50 – 16:10	Vilius Stakėnas Vilnius University, Lithuania	Mapping of the trees of rational numbers
16:15 – 16:35	Alexey Kudin University of York, United Kingdom	Counting real algebraic numbers with bounded derivative of minimal polynomial
16:40 – 17:00	Vytautas Stepas Vilnius University, Lithuania	Moments of additive functions defined on random permutations

12 SEPTEMBER (WEDNESDAY)

09:00 – 18:00	Excursion to Nida
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13 SEPTEMBER (THURSDAY)

„Žilvinas“, Kęstučio str. 32		
Chairman Jörn Steuding		
9:30 – 10:05	Karl-Heinz Indlekofer University of Paderborn, Germany	On spaces of arithmetical functions
10:15 – 10:50	Yury Nesterenko M. Lomonosov Moscow State University, Russia	Measure of transcendence for the exponential function in p -adic domain
10:50 – 11:30	Coffee break	
Chairman Yury Nesterenko		
11:30 – 11:55	Jörn Steuding University of Würzburg, Germany	Logarithmic meditations
12:00 – 12:25	Nikolai M. Dobrovolskii Tula State Lev Tolstoy Pedagogical University, Russia Nikolai N. Dobrovolskii Tula State University, Russia	Classification of purely real algebraic irrationalities
12:30 – 12:55	Benjamin Ward University of York, United Kingdom	Weighted simultaneous Diophantine approximation over curves
13:00 – 15:00	Lunch break	
„Žilvinas“, Kęstučio str. 32		
Chairman Łukasz Pańkowski		
15:00 – 15:20	Adelė Vaiginytė Vilnius University, Lithuania	On some properties of zeta- function of certain cusp forms
15:25 – 15:45	Julija Karaliūnaitė Vilnius Gediminas Technical University, Lithuania	On fuzzy Dirichlet series
15:50 – 16:10	Athanasios Sourmelidis University of Würzburg, Germany	Meromorphic continuation of the Beatty zeta-function
16:15 – 16:35	Renata Macaitienė Šiauliai University, Lithuania	Universality in the Selberg class

„Romuva“, Birutės Alley 37a		
	Chairman Gintautas Bareikis	
15:00 – 15:20	Blazej Żmija Jagiellonian University, Poland	Upper bound for numbers with the Lehmer property
15:25 – 15:45	Jonas Šiaulyš, Gediminas Stepanauskas Vilnius University, Lithuania	Probability distributions in number theory
15:50 – 16:10	Shota Inoue Nagoya University, Japan	A relation between the estimate of $S(t)$ and zero density estimates in short intervals
18:30 – 23:00	Conference dinner	

14 SEPTEMBER (FRIDAY)

„Žilvinas“, Keštučio str. 32		
	Chairwoman Roma Kačinskaitė	
9:30 – 10:05	Kohji Matsumoto Nagoya University, Japan	On density functions in the value-distribution theory of L -functions
10:15 – 10:50	Imre Kátai Eötvös Loránd University, Hungary	On regularly varying arithmetical functions
10:50 – 11:30	Coffee break	
	Chairman Imre Kátai	
11:30 – 11:55	Ade Irma Suriajaya RIKEN, Japan	Values of the Riemann zeta function on vertical arithmetic progressions in the critical strip
12:00 – 12:25	Natalia Budarina Dundalk Institute of Technology, Ireland	Effective estimate for the measure of exceptional sets
12:30 – 12:55	Johan Andersson Örebro University, Sweden	Voronin universality for some Weyl group multiple Dirichlet series
13:00 – 15:00	Lunch break	

„Žilvinas“, Kęstučio str. 32		
	Chairman Darius Šiaučiūnas	
15:00 – 15:20	Ayhan Dil Akdeniz University, Turkey	Some sequences related to the special values of the Riemann zeta function
15:25 – 15:45	Nikolai M. Dobrovolskii Tula State Lev Tolstoy Pedagogical University, Russia Nikolai N. Dobrovolskii Tula State University, Russia	The zeta-function is the monoid of natural numbers with unique factorization
15:50 – 16:10	Igoris Belovas Vilnius University, Lithuania	Limit theorems for coefficients of modified Borwein's method for the calculation of the Riemann zeta-function values II
16:15 – 16:35	Virginija Garbaliuskienė Šiauliai University, Lithuania	On zeros of certain compositions of periodic zeta-functions
16:40 – 17:00	Mindaugas Stoncelis Vilnius University, Lithuania	On the weighted value distribution of the periodic zeta-function
„Romuva“, Birutės Alley 37a		
	Chairman Yuta Suzuki	
15:00 – 15:20	Algirdas Mačiulis Vilnius University, Lithuania	Beta distribution and generalized divisor function
15:25 – 15:45	Gintautas Bareikis Vilnius University, Lithuania	Modeling the Dirichlet distribution
15:50 – 16:10	Artūras Dubickas Vilnius University, Lithuania	Large intervals without primes near linear recurrences

List of participants

Johan Andersson	Örebro University, Sweden	johan.andersson@oru.se
Gintautas Bareikis	Vilnius University, Lithuania	gintautas.bareikis@mif.vu.lt
Igoris Belovas	Vilnius University, Lithuania	igor.a.belov@gmail.com
Vasili Bernik	Institute of Mathematics of National Academy of Sciences, Belarus	bernik.vasili@mail.ru
Natalia Budarina	Dundalk Institute of Technology, Ireland	buda77@mail.ru
Mehmet Cenkci	Akdeniz University, Turkey	cenkci@akdeniz.edu.tr
Mirac Cetin	Baskent University, Turkey	mcetin@baskent.edu.tr
Ayhan Dil	Akdeniz University, Turkey	adil@akdeniz.edu.tr
Nikolai Dobrovolskii	Tula State Lev Tolstoy Pedagogical University, Russia	dobrovol@tsput.ru
Paulius Drungilas	Vilnius University, Lithuania	pdrungilas@gmail.com
Artūras Dubickas	Vilnius University, Lithuania	arturas.dubickas@mif.vu.lt
Virginija Garbaliuskienė	Šiauliai University, Lithuania	virginija.garbaliuskiene@su.lt
Ramūnas Garunkštis	Vilnius University, Lithuania	ramunas.garunkstis@mif.vu.lt
Anna Gusakova	Bielefeld University, Germany	gusakova.anna.0@gmail.com
Karl-Heinz Indlekofer	University of Paderborn, Germany	k-heinz@math.uni-paderborn.de
Inoue Shota	Nagoya University, Japan	m16006w@math.nagoya-u.ac.jp
Roma Kačinskaitė	Vytautas Magnus University, Lithuania	roma.kacinskaite@vdu.lt
Julija Karaliūnaitė	Vilnius Gediminas Technical University, Lithuania	julija.karaliunaite@vgtu.lt
Levent Kargin	Akdeniz University, Turkey	lkargin@akdeniz.edu.tr

Imre Káтай	Eötvös Loránd University, Hungary	katai@inf.elte.hu
Hiroataka Kobayashi	Nagoya University, Japan	m17011z@math.nagoya-u.ac.jp
Alexey Kudin	University of York, United Kingdom	knxd@yandex.ru
Antanas Laurinčikas	Vilnius University, Lithuania	antanas.laurincikas@mif.vu.lt
Renata Macaitienė	Šiauliai University, Lithuania	renata.macaitiene@su.lt
Algirdas Mačiulis	Vilnius University, Lithuania	algirdas.maciulis@mif.vu.lt
Eugenijus Manstavičius	Vilnius University, Lithuania	eugenijus.manstavicius@mif.vu.lt
Kohji Matsumoto	Nagoya University, Japan	kohjimat@math.nagoya-u.ac.jp
Masahiro Mine	Tokyo Institute of Technology, Japan	mine.m.aa@m.titech.ac.jp
Hidehiko Mishou	Tokyo Denki University, Japan	h_mishou@mail.dendai.ac.jp
Yury Nesterenko	Lomonosov Moscow State University, Russia	nester@mi.ras.ru
Łukasz Pańkowski	Adam Mickiewicz University, Poland	lpan@amu.edu.pl
Sumaia Saad Eddin	Johannes Kepler University, Austria	sumaia.saad_eddin@jku.at
Kota Saito	Nagoya University, Japan	kota.saito.1729@gmail.com
Christof Schmeller	University of Würzburg, Germany	Schmellanos234@t-online.de christof.schmeller@db.com
Bartosz Sobolewski	Jagiellonian University, Poland	bartosz.sobolewski@ doctoral.uj.edu.pl
Athanasios Sourmelidis	University of Würzburg, Germany	athanasios.sourmelidis@ mathematik.uni-wuerzburg.de
Teerapat Srichan	Kasetsart University, Thailand	fscitrp@ku.ac.th
Vilius Stakėnas	Vilnius University, Lithuania	vilius.stakenas@mif.vu.lt
Gediminas Stepanauskas	Vilnius University, Lithuania	gediminas.stepanauskas@mif.vu.lt
Vytautas Stepas	Vilnius University, Lithuania	vytautas.stepas@mif.vu.lt
Jörn Steuding	University of Würzburg, Germany	steuding@mathematik.uni- wuerzburg.de

Mindaugas Stoncelis	Vilnius University, Lithuania	mindaugas.stoncelis@mif.vu.lt
Ade Irma Suriajaya	RIKEN, Japan	adeirmasuriajaya@riken.jp
Yuta Suzuki	Nagoya University, Japan	suzuyu1729@gmail.com
Darius Šiaučiūnas	Šiauliai University, Lithuania	darius.siauciunas@su.lt
Jonas Šiaulys	Vilnius University, Lithuania	jonas.siaulys@mif.vu.lt
Raivydas Šimėnas	Vilnius University, Lithuania	raivydas.simenas@mif.vu.lt
Wataru Takeda	Nagoya University, Japan	d18002r@math.nagoya-u.ac.jp
Alexey Ustinov	Pacific National University, Russia	ustinov.alexey@gmail.com
Gediminas Vadeikis	Vilnius University, Lithuania	gediminas.vadeikis@gmail.com
Adelė Vaiginytė	Vilnius University, Lithuania	adelevaiginyte@gmail.com
Benjamin Ward	University of York, United Kingdom	bw744@york.ac.uk
Vytas Zacharovas	Vilnius University, Lithuania	vytas.zacharovas@mif.vu.lt
Błażej Żmija	Jagiellonian University, Poland	blazejz@poczta.onet.pl