

# PROGRAMME

08 11, MONDAY

## First morning session. Chairwoman Roma Kačinskaitė

9.00–9.15	<b>Donatas Jurgaitis</b>	Opening
9.15–9.55	<b>Kohji Matsumoto</b>	Functional relations among certain polylogarithms and their character analogues
10.00–10.40	<b>Vasilii Bernik, Olga Kukso</b>	On divisibility of discriminants on the degree of prime for integer polynomials
10.40–11.00	Coffee break	

## Second morning session. Chairman Kohji Matsumoto

11.00–11.40	<b>Yuri Nesterenko</b>	Roots of polynomials in p-adic fields
11.45–12.05	<b>Takashi Nakamura</b>	Joint value approximation and joint universality for several types of zeta-functions
12.10–12.30	<b>Julija Karaliūnaitė</b>	Atkinson's formula for the periodic zeta-function
12.35–12.55	<b>Alar Leibak</b>	Some new results on unary quadratic forms over totally real number fields
12.55–14.30	Lunch	

## First afternoon session. Chairman Vasilii Bernik

14.30–15.10	<b>Karl-Heinz Indlekofer</b>	Comparative results for arithmetical functions
15.15–15.55	<b>Eugenijus Manstavičius</b>	Probabilistic number theory on permutations
15.55–16.15	Coffee break	

## Second afternoon session. Chairman Yuri Nesterenko

16.15–16.55	<b>Imre Kátai</b>	On the iteration of multiplicative functions
17.00–17.20	<b>Gediminas Stepanauskas</b>	Limit distributions for sums of additive functions with shifted arguments
17.25–17.45	<b>Justas Kalpokas</b>	Sum of the periodic zeta-function over the nontrivial zeros of the Riemann zeta-function

17.50–18.10	<b>Larry Erickson</b>	Primality testing and prime constellations
18.15–18.35	<b>Jonas Šiaulys</b>	Binomial limit law for additive prime indicators

## 08 12, TUESDAY

### First morning session. Chairman Eugenijus Manstavičius

9.00–9.40	<b>Nikolay Moshchevitin</b>	On some problems by W. Schmidt
9.45–10.25	<b>Artūras Dubickas</b>	On the problem of Mahler and Szekeres
10.25–10.45	Coffee break	

### Second morning session. Chairman Karl-Heinz Indlekofer

10.45–11.05	<b>Vasilii Bernik, Natalya Shamukova</b>	Metric theory of zero approximations by values of monic polynomials
11.05–11.25	<b>Jonas Jankauskas</b>	On Newman polynomials which divide no Littlewood polynomials
11.30–11.50	<b>Vilius Stakėnas</b>	On the value distribution of $f(m/n)$ , $\{f(m/n)\}$ and $[f(m/n)]$
11.50–12.10	<b>Lukasz Pankowski</b>	Hybrid joint universality theorem for Dirichlet $L$ -functions
12.15–12.35	<b>Vaidotas Kanišauskas</b>	Moment method for martingales estimators
12.35–12.55	<b>Gintautas Misevičius</b>	Some problems of distribution of functions of ergodic endomorphism
12.55–14.30	Lunch	

### First afternoon session. Chairman Imre Kátai

14.30–15.10	<b>Władysław Narkiewicz</b>	Some open problems
15.15–15.55	<b>Kenji Nagasaka</b>	Benford's law for slowly increasing integers and corresponding densities
15.55–16.15	Coffee break	

### Second afternoon session. Chairman Nikolay Moshchevitin

16.15–16.35	<b>Eeva Suvitie</b>	On inner products involving holomorphic cusp forms and Maass forms
16.35–16.55	<b>Anne-Maria Ernvall-Hytönen</b>	A note concerning certain exponential sums involving Fourier coefficients of holomorphic cusp forms

17.00–17.20	<b>Mariya Avdeeva</b>	Lower and upper bounds for Voronoi-Minkowski constant
17.20–17.40	<b>Ramūnas Garunkštis</b>	Double $\alpha$ -values and zeros of the Riemann zeta-function. Calculations
17.45–18.05	<b>Natalia Budarina</b>	Almost primitively universal quadratic forms
18.05–18.25	<b>Saulius Zamarys</b>	On fractional moments of twists of $L$ -functions attached to cusp forms

## 08 13, WEDNESDAY

9.00–18.00	<b>Excursion to Žemaitija National Park and the Military museum</b>
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## 08 14, THURSDAY

### **First morning session. Chairman Ramūnas Garunkštis**

9.00–9.40	<b>Victor Bykovskii</b>	About Mikusinski conjecture
9.45–10.25	<b>Alexey Ustinov</b>	On the distribution of Frobenius numbers
10.25–10.45	Coffee break	

### **Second morning session. Chairman Artūras Dubickas**

10.45–11.25	<b>Sergei Konyagin</b>	Prime chains and Pratt trees
11.30–11.50	<b>Eugenijus Stankus</b>	Generalized numbers
11.50–12.10	<b>Povilas Daniušis</b>	Hilbert-Schmidt independence criterion based feature extraction algorithm
12.15–12.35	<b>Andrei Illarionov</b>	The estimates for relative minima number for lattices
12.35–12.55	<b>Rasa Steuding</b>	On some properties of Selberg zeta-functions
12.55–14.30	Lunch	

### **First afternoon session. Chairwoman Rasa Steuding**

14.30–14.45	<b>Jonas Kubilius</b>	Some reminiscences of Antanas Laurinčikas
14.45–15.45	<b>Joern Steuding</b>	The mathematical work of Antanas Laurinčikas – an interim report –
15.45–16.00	Coffee break	

**17.00–18.45 Short Excursion to the Hill of Crosses**

**19.00–23.00 Conference Dinner at restaurant “Grafaitys svetainė”,  
Aušros str. 1, Ginkūnai, Šiauliai district**

## **08'15, FRIDAY**

### **First morning session. Chairman Alexey Ustinov**

10.00–10.40	<b>Johan Andersson</b>	Moments of the Hurwitz and Lerch zeta-functions
10.45–11.25	<b>Stefan Porubsky</b>	Arithmetical convolution equations
11.25–11.45	Coffee break	

### **Second morning session. Chairman Victor Bykovskii**

11.45–12.05	<b>Roma Kačinskaitė</b>	On joint limit theorems for Hurwitz zeta-functions
12.05–12.25	<b>Peter Meier</b>	Differential universality
12.30–12.50	<b>Sergei Rogosin</b>	Eisenstein functions and Eisenstein-Rayley sums and their application at the study of composite materials
12.55–14.30	Lunch	

### **First afternoon session. Chairman Sergei Konyagin**

14.30–15.10	<b>Ryotaro Okazaki</b>	On initial gap principal of a generalised class of simultaneous Pell equations
15.15–15.55	<b>Giedrius Alkauskas</b>	Dyadic period function
16.00–16.20	<b>Jonas Genys, Renata Macaitienė, Darius Šiaučiūnas</b>	Weighted joint limit theorems for general Dirichlet series
16.25–16.55	<b>Antanas Laurinčikas</b>	Remarks on Mellin transforms of the zeta-function

*The organizers would like to thank all participants for their contributions and looking forward to see you again in Lithuania...*