



Analytic and Probabilistic Methods in Number Theory

The Fifth International Conference
in Honour of J. Kubilius

Palanga, Lithuania,
September 4-10, 2011

Palanga ♦ 2011

VILNIUS UNIVERSITY
FACULTY OF MATHEMATICS AND INFORMATICS

**Analytic and Probabilistic Methods
in Number Theory**

The Fifth International Conference
in Honour of J. Kubilius
Palanga, Lithuania, 4-10 September 2011

Organizing Committee:

Gediminas Stepanauskas (chairman)
Gintautas Bareikis
Edmundas Gaigalas
Antanas Laurinčikas
Algirdas Mačiulis
Eugenijus Manstavičius
Jonas Šiaulyš
Vilius Stakėnas
Eugenijus Stankus
Elmundas Žalys

PROGRAMME

09.05 MONDAY

Chairman **G. Stepanauskas**

- 10.00 – 10.10 Opening ceremony
10.10 – 10.40 Video: Life and work in the two centuries
 Laudatio to Professor Jonas Kubilius

Plenary lecture. Chairman **W. Schwarz**

- 10.40 – 11.40 **K. Matsumoto**
 On random multiple Dirichlet series

11.40 – 12.10 Coffee break

Plenary lecture. Chairman **W. Schwarz**

- 12.10 – 13.00 **J. Steuding**
 a -values distribution of the Riemann zeta-function
 revisited

13.00 – 15.00 Lunch

Lectures. Chairman **J. Steuding**

- 15.00 – 15.30 **G. Alkauskas**
 Does the Minkowski question mark-world intersect with
 the theta constant-world?

15.30 – 15.50 **G. Stepanauskas and J. Šiaulyš**
 Limit distributions for the sequences of additive functions

15.50 – 16.10 **G. Bareikis and A. Mačiulis**
 On the second moment of an arithmetical process

16.10 – 16.30 **T. K. Duy**
 Carleson's theorem for general Dirichlet series

16.40 – 17.00 **T. Christ**
 Differential universality related to the Riemann zeta-
 function

17.00 – 17.00 **E. Gaigalas**
 On the dimension of some spaces of generalized theta-
 series

17.20 – 17.40 **R. Kačinskaitė**
 On joint discrete value-distribution of zeta-functions with
 periodic coefficients

17.40 – 18.00 **J. Kalpokas**
Discrete moments of the Riemann zeta-function

09.06 TUESDAY

Plenary lectures. Chairman **K. Matsumoto**

9.40 – 10.30 **K.-H. Indlekofer**
On unconditionally and essentially distributed additive functions

10.30 – 11.10 **J.-M. De Koninck**
On the distance between smooth numbers

11.10 – 11.40 Coffee break

Plenary lectures. Chairman **K.-H. Indlekofer**

11.40 – 12.20 **Y. Komori**
Zeta-functions of root systems and of Lie groups

12.20 – 13.00 **M. Radziwill**
On some inverse problems in probabilistic number theory

13.00 – 15.00 Lunch

Lectures. Chairman **J.-M. De Koninck**

15.00 – 15.30 **P. Varbanets and S. Varbanets**
Exponential sums on pseudorandom numbers

15.30 – 16.00 **M. Nakajima**
The Lindelöf hypothesis for almost all Hurwitz zeta-functions

16.00 – 16.20 **J. Spilker**
Harmonic partitions

16.20 – 16.35 **R. Macaitienė**
Universality of zeta-functions attached to certain cusp forms

16.35 – 16.50 **D. Šiaučiūnas**
A mixed joint universality theorem for zeta-functions

16.50 – 17.00 **A. Rimkevičienė**
Limit theorems for periodic Hurwitz zeta-functions

17.00 – 17.10 **V. Kurauskas**
Random graphs with few disjoint minors

18.00 **Conference dinner**

09.07 WEDNESDAY

9.00 **Excursion to Nida**

09.08 THURSDAY

Plenary lectures. Chairman Y. Komori

- 10.00 – 10.40 **I. Kátai**
On a theorem of Daboussi
- 10.40 – 11.20 **R. Okazaki**
Weber's class number problem and height of units
- 11.20 – 11.50 Coffee break

Plenary lectures. Chairman I. Kátai

- 11.50 – 12.30 **T. Aoyama**
Multidimensional zeta distributions and infinite divisibility
- 12.30 – 13.00 **J. Andersson**
Universality of the multiple Hurwitz zeta-function in several variables
- 13.00 – 15.00 Lunch

Lectures. Chairman M. Radziwill

- 15.00 – 15.20 **V. Stakėnas**
On the order statistics of prime divisors
- 15.20 – 15.50 **M. Bloznelis**
Intersection graphs
- 15.50 – 16.10 **B. M. Phong**
On a theorem of Bassily and Kátai
- 16.10 – 16.30 **R. Garunkštis and A. Grigutis**
On the zeros of the Lerch transcendent function and the polylogarithm function
- 16.30 – 17.00 **V. Zacharovas**
Tauberian theorem for Ingham's summation method
- 17.00 – 17.15 **B. Kryžienė and G. Misevičius**
A limit theorem of the Erdős-Kac type
- 17.15 – 17.30 **Ž. Žilinskas**
On a variance related to the Ewens sampling formula

09.09 FRIDAY

Plenary lectures. Chairman R. Okazaki

- 10.00 – 10.40 **N. Moshchevitin**
Zaremba's conjecture, missing digits and modular hyperbola
- 10.40 – 11.20 **M. Suzuki**
Certain second order differential equation arising from the Riemann zeta-function
- 11.20 – 11.50 Coffee break

Plenary lectures. Chairman N. Moshchevitin

- 11.50 – 12.30 **E. Manstavičius**
Kubilius fundamental lemma on partitions
- 12.30 – 1.00 **Ł. Pańkowski**
Zeros of multiple zeta-functions
- 13.00 – 15.00 Lunch

Lectures. Chairman J. Andersson

- 15.00 – 15.30 **H. Ishikawa**
Atkinson type explicit formula for a certain Dirichlet series and its application
- 15.30 – 15.45 **J. Rašytė**
Generalization of a discrete universality for the Hurwitz zeta-function
- 15.45 – 15.55 **A. Makulavičius**
Weighted discrete limit theorem for the Hurwitz zeta-function
- 15.55 – 16.15 **A. Laurinčikas**
Some remarks on the joint universality of the Riemann and Hurwitz zeta-functions
- 16.15 **Problem session. Chairman W. Schwarz**
- 17.00 **Closing**

The organizers of the Conference thank very much all participants for coming to Palanga and hope to see you all here again, and again...

List of participants

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