

# “Analytic Number Theory – related Multiple aspects of Arithmetic Functions”

Location : Rm420 RIMS (Kyoto Univ. Japan)

Period : 31 October – 2 November 2011

Organizer : Takumi Noda (Nihon Univ.)

## Program

31 October (Mon.)

10:25 – 10:30 Opening

10:30 – 11:10 Hidehiko Mishou (Ube College Tec. /Ube (JPN))  
“Joint universality theorem for automorphic  $L$ -functions”

11:20 – 12:00 Yasuo Ohno (Kinki Univ. /Osaka (JPN))  
“TBA”

12:00 – 13:30 Lunch Time

13:30 – 14:00 Wadim Zudilin (The Univ. of Newcastle /Newcastle (AUS))  
“Mahler measures and  $L$ -series of elliptic curves”

14:10 – 14:40 Hirotaka Akatsuka (JSPS Kyushu Univ. /Fukuoka (JPN))  
“Double zeta functions constructed by absolute tensor products”

14:50 – 15:20 Yoshitaka Sasaki (Kinki Univ. /Osaka (JPN))  
“Multiple zeta values and zeta Mahler measures”

15:40 – 16:10 Takao Komatsu (Hirosaki Univ. /Hirosaki (JPN))  
“Poly-Cauchy numbers”

16:20 – 16:50 Pattira Ruengsinsub (Kasetsart Univ. / Bangkok (THA))  
“Prime-free dependence and a generalized convolution”

1 November (Tue.)

9:40 – 10:10 Hajime Kaneko (JSPS Nihon Univ. /Tokyo (JPN))  
“On the transcendental degrees of the fields generated by special values of power series”

10:20 – 11:00 Roma Kačinskaitė (Šiauliai Univ. /Šiauliai (LTU))  
“Joint universality of periodic zeta-functions, Continuous and discrete cases”

11:10 – 12:00 Wladimir Pribitkin (The City Univ. of NY /New York (USA))  
“Niebur integrals, mock automorphic forms, and harmonic Maass forms”

- 12:00 – 14:00 Lunch Time
- 14:00 – 14:30 Masanori Katsurada (Keio Univ. /Tokyo (JPN))  
 “Asymptotic expansions for generalized Epstein zeta-functions and applications”
- 14:45 – 15:15 Takashi Nakamura (Tokyo Univ. Science /Tokyo (JPN))  
 “Zeros of multiple zeta-functions”
- 15:30 – 16:00 Keiju Sono (Univ. of Tokyo /Tokyo (JPN))  
 “Higher moments of Epstein zeta function”
- 16:15 – 16:45 Takafumi Miyazaki (Metro. Univ. Tokyo /Tokyo (JPN))  
 “Upper bounds for solutions of exponential Diophantine equations with applications to Fibonacci numbers”
- 17:30 – 19:10 Informal social gathering
- 2 November (Wed.)
- 9:40 – 10:10 Hideaki Ishikawa (Nagasaki Univ. /Nagasaki (JPN))  
 “Atkinson type explicit formula for a certain Dirichlet series and its application”
- 10:20 – 11:00 Yoshinori Hamahata (Kansai Univ. /Osaka (JPN))  
 “Higher dimensional Dedekind sums in positive characteristic”
- 11:10 – 12:00 Abdelmejid Bayad (Univ. d'Evry Val d'Essone /Paris (FRA))  
 “Dedekind sums and values of  $L$ -functions at positive integers”
- 12:00 – 14:00 Lunch Time
- 14:00 – 14:30 Masatoshi Suzuki (Univ. of Tokyo /Tokyo (JPN))  
 “On a sequence of Hilbert spaces of entire functions arising from the Riemann zeta-function”
- 14:40 – 15:10 Genki Shibukawa (Kyushu Univ. /Fukuoka (JPN))  
 “Bilateral zeta functions and their applications”
- 15:20 – 15:50 Koji Tasaka (Kyushu Univ. /Fukuoka (JPN))  
 “Double Eisenstein series and its application”
- 16:00 – 16:30 Takumi Noda (Nihon Univ. /Fukushima (JPN))  
 “A transformation formula for Maass-type Eisenstein series of two variable”
- 16:30 – 16:40 Closing