3rd Japanese–German Number Theory Workshop

Monday 20th – Friday 24th November, 2017
Max Planck Institute, Lecture Hall

Programme

Monday 20th

9:50 – 10:40 Shun'ichi Yokoyama (Kyushu Univ.)
"Number theory with Magma: for performant and flexible computation"

10:40 – 11:10 – *tea time* –

11:10 – 12:00 Takashi Nakamura (Tokyo Univ. of Science)
"Selberg's orthonormality conjecture and joint universality of L-functions"

14:00 – 14:50 Shingo Sugiyama (Kyushu Univ.)
"Explicit trace formulas for symmetric square L-functions for GL(2) and some applications"

15:00 – 15:50 Hiroshi Sakata (Waseda Univ Senior High School)
"A certain level-index changing operator on Jacobi cusp new forms"

16:00 – 16:30 – *tea time* –

16:30 – 17:10 Toshiki Matsusaka (Kyushu Univ.)
"Arithmetic formulas for the coefficients of the McKay-Thompson series"

Tuesday 21st

9:50 – 10:40 Nobuo Sato (NCTS of National Taiwan Univ.)
"On Charlton's conjecture about the multiple zeta values"

10:40 – 11:10 – *tea time* –

11:10 – 12:00 Yingkun Li (Technical Univ. Darmstadt)
"Average values of higher Green's functions and their factorizations"

14:00 – 14:50 Hiro-aki Narita (Kumamoto Univ.)
"Explicit constructions of non-tempered cusp forms on orthogonal groups of low split ranks"

15:00 – 15:50 Hiraku Atobe (Tokyo Univ.)
"On the Miyawaki lifts of hermitian modular forms"

16:00 – 16:30 – *tea time* –

16:30 – 17:10 Annalena Wernz (RWTH Aachen)
"The Hermitian modular group and the orthogonal group"

Wednesday 22nd

9:50 – 10:40	Minoru Hirose (Kyushu Univ.)
	"On a certain class of linear relations among the multiple zeta values arising from the theory of iterated integrals"
10:40 – 11:10	– *tea time* –
11:10 – 12:00	Ren-he Su (Kyoto Univ.)
	"On linear relations between L-values and arithmetic functions"
14:00 – 14:50	ABKLS seminar: Nicole Raulf (Univ. Lille)
	"On a mean value result for a product of L-functions"
15:00 – 15:50	ABKLS seminar: Hiroki Aoki (Tokyo Univ. of Science)
	"On the structure of mixed weight Hilbert modular forms "
16:00 – 16:30	– *tea time* –
16:30 – 17:20	ABKLS seminar: Robert Pollack (Boston Univ./MPIM)
	"Computing weight 1 forms – a p-adic approach"
18:00 –	– *dinner* –

Thursday 23rd

9:50 – 10:40	Kenji Makiyama (Kyoto Sangyo Univ.)
	"A p-adic family of Saito-Kurokawa lifts for a Coleman family and the Bloch-Kato conjecture"
10:40 – 11:10	– *tea time* –
11:10 – 12:00	Tomomi Ozawa (Univ. Paris 13)
	"Eisenstein and CM congruence modules defined over a real quadratic field"
12:10 – 12:50	Steffen Löbrich (Univ. of Cologne)
	"Niebur-Poincaré Series and Regularized Inner Products"

Friday 24th

9:50 – 10:40	Sho Takemori (MPIM)
	"Construction of vector valued Siegel modular forms and examples of congruences"
10:40 – 11:10	– *tea time* –
11:10 – 12:00	Hidetaka Kitayama (Wakayama Univ.)
	"Siegel modular forms with respect to non-split symplectic groups"
14:10 – 15:00	Claudia Alfes-Neumann (Univ. Paderborn)
	"Regularized theta lifts of integral weight harmonic Maass forms I"
15:00 – 15:30	– *tea time* –
15:30 – 16:10	Markus Schwagenscheidt (Technical Univ. Darmstadt)
	"Regularized theta lifts of integral weight harmonic Maass forms II"

Organizers

Hiroki Aoki (Tokyo University of Science),

Jonas Kaszian (University of Cologne),
Pieter Moree (MPIM),
Koji Tasaka (MPIM/Aichi Prefectural University)