The 9th Workshop on Nilpotent Orbits and Representation Theory

Dates: 19 (Friday) — 23 (Tuesday) February 2010

Location: Department of Mathematics, Hokkaido Univeristy Science building # 3, Room 309

Organizers: Kyo Nishiyama, Hiroshi Yamashita

Time Table	(as of 28)	January	2010):
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	Fri 19	Sat 20	Sun 21	Mon 22	Tue 23
9:00-10:00	Registration (-9:25)	Wolf I	Naruse	Loke	Trapa
9:30-10:30	Abe	_		_	
10:30-11:30		Ciubotaru-Kato I	Hirai	Wolf II	Nishiyama
11:00-12:00	Huang				
14:00-15:00	Matumoto	Kitchen	No lecture	Ciubotaru-Kato II	discussion
15:30-16:30	Arakawa		No lecture		discussion
15:30-17:00		Oda I	No lecture	Oda II	
16:45-17:45	Kassel		No lecture		
		Workshop dinner			

Program (as of 28 January 2010)

February 19 (Fri)

9:00 - 9:25	Registration
9:30 - 10:30	Noriyuki Abe (University of Tokyo) "On extensions between principal series of complex semisimple Lie groups"
11:00 - 12:00	Jing-Song Huang (Hong Kong University of Science and Technology) "Jacquet modules and Dirac cohomology"
14:00 - 15:00	Hisayosi Matumoto (University of Tokyo) "On a finite W-algebra module structure on the space of continuous Whittaker vectors for an irreducible Harish-Chandra module"
15:30 - 16:30	Tomoyuki Arakawa (Nara Women's University) "Nilpotent orbits and Kac-Wakimoto admissible representations of Kac-Moody algebras"
16:45 - 17:45	Fanny Kassel (Orsay) "Deformation of compact quotients of homogeneous spaces"

February 20 (Sat)

9:00 - 10:00	Joseph A. Wolf (University of California, Berkeley) "Geometry of the discrete series"
10:30 - 11:30	Dan Ciubotaru (University of Utah) and Syu Kato (Kyoto University) "On formal degrees of discrete series of affine Hecke algebras of classical types, I"
14:00 - 15:00	Sarah Kitchen (University of Utah) "Localization of cohomologically induced modules to partial flag varieties"
15.30 - 17.00	Hiroshi Oda (Takushoku University)

15:30 – 17:00 Hiroshi Oda (Takushoku University) "Poisson transforms and graded Hecke algebras, I"

Banquet (workshop dinner)

February 21 (Sun)

9:00 - 10:00	Hiroshi Naruse (Okayama University)
	"A generalization of hook formula for arbitrary Coxeter group"

10:30 – 11:30 Takeshi Hirai (Kyoto University, Professor emeritus) "Projective representations and spin characters of finite and infinite complex reflection groups"

February 22 (Mon)

9:00 - 10:00	Hung Yean Loke (National University of Singapore) "Compact dual pair correspondences for non-linear covers of orthogonal groups"
10:30 - 11:30	Joseph A. Wolf (University of California, Berkeley) "The Borel – de Siebenthal discrete series"
14:00 - 15:00	Dan Ciubotaru (University of Utah) and Syu Kato (Kyoto University) "On formal degrees of discrete series of affine Hecke algebras of classical types, II"
15:30 - 17:00	Hiroshi Oda (Takushoku University) "Poisson transforms and graded Hecke algebras, II"

February 23 (Tue)

9:00 - 10:00	Peter E. Trapa (University of Utah) "Enhanced Kazhdan-Lusztig cells"
10:30 - 11:30	Kyo Nishiyama (Aoyama Gakuin University) "Orbits on the multiple flag varieties for symmetric pairs"
14:00 - 16:30	discussion

The latest information will be found in the workshop web-page:

http://www.math.sci.hokudai.ac.jp/sympo/100219/index_en.html

For further information, please contact

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