Analysis, Geometry and Group Representations for Homogeneous Spaces

August 26 (MON) – 30 (FRI), 2013

Graduate School of Mathematics, Nagoya University

August 26 (MON)

9:30 – 10:20
Takeshi KAWAZOE (Keio University)
The Littlewood-Paley and Lusin area functions for Jacobi analysis

<Coffee Break>

10:50 – 11:40
Atsumu SASAKI (Tokai University)
A characterization of non–tube type Hermitian symmetric spaces by visible actions

<Lunch>

13:30 – 14:20
Job KUIT (University of Utrecht)
Cusp forms for reductive symmetric spaces

14:35 – 15:25
Erik van den BAN (University of Utrecht)
New convexity theorems for semisimple symmetric spaces

<Coffee Break>

15:55 – 16:45
Toshiyuki KOBAYASHI (University of Tokyo)
Global geometry and analysis on locally pseudo-Riemannian homogeneous spaces

17:00 – 17:50
Martijn CASPERS (Radboud University Nijmegen)
Schur and Fourier multipliers of an amenable group acting on non-commutative L^p–spaces

August 27 (TUE)

9:30 – 10:20
Takeyoshi KOGISO (Josai University)
Representations of Clifford algebras and local functional equations

<Coffee Break>

10:50 – 11:40
Takashi TANIGUCHI (Kobe University)
Applications of Sato-Shintani's zeta functions for the space of binary cubic forms

<Lunch>

13:30 – 14:20
Daisuke YAMAKAWA (Tokyo Institute of Technology)
Meromorphic connections, quiver varieties and Fourier-Laplace transform

14:35 – 15:25
Yoshihiro TAKEYAMA (University of Tsukuba)
A discrete analogue of periodic delta Bose gas and affine Hecke algebra

<Coffee Break>

15:55 – 16:45
Bart VLAAR (University of Amsterdam)
Solving the reflection quantum Knizhnik-Zamolodchikov equations

17:00 – 17:50
Hitoshi KONNO (Hiroshima University)
Elliptic quantum group $U_{q,p}(\hat{g})$ and solvable lattice models

<Banquet>

at Restaurant "Hananoki" in the campus

August 28 (WED)

9:30 – 10:20
Tomoyuki KAKEHI (Okayama University)
Magnetic Schroedinger equation on compact symmetric spaces

<Coffee Break>

10:50 – 11:40
Maarten SOLLEVELD (Radboud University Nijmegen)
Extensions of tempered representations of reductive p–adic groups

August 28 (WED) Afternoon

<Excursion> (visits by a sightseeing bus;
Nagoya Castle, Noritake Garden, Atsuta Jingu (Shrine))

August 29 (THU)

9:30 – 10:20
Toshihiko MATSUKI (Ryukoku University)
Triple flag varieties for orthogonal groups

<Coffee Break>

10:50 – 11:40
Aloysius HELMINCK (North Carolina State University)
Orbits of parabolic k-subgroups on symmetric k-varieties

<Lunch>

13:30 – 14:20
Masato WAKAYAMA (Kyushu University)
Hankel actions, holomorphic discrete series and Meixner–Pollaczek polynomials

14:35 – 15:25
Gerard HELMINCK (University of Amsterdam)
Compatible Lax equations and Lie algebra decompositions

<Coffee Break>

15:55 – 16:45
Masatoshi NOUMI (Kobe University)
Remarks on BC_n interpolation functions

17:00 – 17:50
Johan van de LEUR (University of Utrecht)
Pfaffian and determinantal tau functions

August 30 (FRI)

9:30 – 10:20
Hideyuki ISHI (Nagoya University)
Laplace transforms of compound power functions on a certain regular convex cone

<Coffee Break>

10:50 – 11:40
Hessel POSTHUMA (University of Amsterdam)
The higher index theorem on homogeneous spaces

<Lunch>

13:30 – 14:20
Maarten van PRUIJSSEN (Radboud University Nijmegen)
Reductive spherical pairs and orthogonal polynomials

14:35 – 15:25
Eric OPDAM (University of Amsterdam)
Dirac induction for graded affine Hecke algebras

<Coffee Break>

15:55 – 16:45
Katsuhisa MIMACHI (Tokyo Institute of Technology)
Irreducibility and reducibility of several hypergeometric functions

17:00 – 17:50
Hiroyuki OCHIAI (Kyushu University)
Covariant differential operators and Heckman–Opdam hypergeometric systems

<a small farewell party>