Geometric and Harmonic Analysis on Homogeneous Spaces
Kerkennah, November 2-7, 2009

Program

Monday: November 2, 2009. Registration (17:00)

Tuesday: November 3, 2009

08:30 Opening

09:00 — 9:40 Hidenori Fujiwara (Fukuoka)
Monomial representations with multiplicities of discrete type.

09:50 — 10:30 Mohamed Salah Khalgui (Tunis)
Classe des algèbres de Lie quasi-réductives

10:40 — 11:10 Coffee break

11:10 — 11:50 Carine Molitor-Braun (Luxembourg)
Flat orbits, primary ideals and spectral synthesis

12:00 — 12:40 Ahmed Fitouhi (Tunis)
An essay toward a unified theory of the $L^p$ version of Hardy’s inequality and $q$-analogues

Lunch

15:00 — 15:40 Imed Kédim (Bizerte)
On discontinuous subgroups acting on homogeneous spaces

15:50 — 16:30 Nobukazu Shimeno (Hyogo)
Matrix-valued commuting differential operators associated with root systems

16:40 — 17:10 Coffee break

17:10 — 17:50 Boujema Agebaoui (Sfax)
On cohomology and deformations of the Lie superalgebra of contact vector fields on $S^{1|m}$
Wednesday: November 4, 2009

08:30 — 09:10 Najib Ben Salem (Tunis)
Some applications of harmonic analysis associated with the Jacobi-Dunkl operators

09:20 — 10:00 Philippe Jaming (Orléans)
Distributions that are convolvable with Poisson kernels

10:10 — 10:50 Didier Arnal (Dijon)
Diamond cones and quasistandard Young tableaux

11:00 — 11:30 Coffee break

11:30 — 12:10 Mohamed Selmi (Hammam Sousse)
Séparation des représentations par les sur-groupes quadratiques

12:20 — 13:00 Khemais Maktouf (Monastir)
The Plancherel formula for solvable p-adic groups

Lunch

15:00 — 15:40 Sami Dhieb (Sfax)
When the deformation space $\mathcal{F}(\Gamma, H_{2n+1}, H)$ is a manifold

15:50 — 16:30 Hideyuki Ishi (Nagoya)
Equivariant holomorphic line bundles over a bounded homogeneous domain

16:40 — 17:10 Coffee break
Thursday: November 5, 2009

08:30 — 09:10 Sundaram Thangavelu (Bangalore)
A Paley-Wiener theorem for eigenfunction expansions

09:20 — 10:00 Michel Duflo (Paris)
Weyl’s functional calculus and equivariant differential forms

10:10 — 10:50 Yoshinori Yamasaki (Matsuyama)
Zeta regularized products and higher depth determinants of Laplacians

11:00 — 11:30 Coffee break

11:30 — 12:10 Abdellatif Bentaleb (Fez)
Inégalités entropiques fonctionnelles

12:20 — 13:00 Fatma Khlif (Sfax)
Deforming discontinuous subgroups for threadlike homogeneous spaces

Lunch

15:00 — 15:40 Junko Inoue (Tottori)
Estimate for the norm of the $L^p$-Fourier transform on nilpotent Lie groups

15:50 — 16:30 Atsumu Sasaki (Tokyo)
Visible actions on complex vector spaces

16:40 — 17:10 Coffee break

17:10 — 17:50 Mabrouk Ben Ammar (Sfax)
The cohomology of $K(n)$
Friday: November 6, 2009

08:30 — 09:10 Takeshi Kawazoe (Yokohama)
Hardy space for Jacobi analysis and its applications

09:20 — 10:00 Mohamed Sifi (Tunis)
Three results in Dunkl analysis

10:10 — 10:50 Jean Ludwig (Metz)
Simple modules of the $L^1$ group algebra of $SL_2(\mathbb{R})$

11:00 — 11:30 Coffee break

11:30 — 12:10 Dominique Manchon (Clermont-Ferrand)
A deformation approach of the Kirillov map for exponential groups

12:20 — 13:00 Radhouane Daher (Casablanca)
Further results in Dunkl harmonic analysis

Lunch

15:00 — 15:40 Chifune Kai (Kanazawa)
The representative domain of a homogeneous bounded domain

15:50 — 16:30 Sho Matsumoto (Nagoya)
Orthogonal matrix integrals and zonal spherical functions

16:40 — 17:10 Coffee break

17:10 — 17:50 Khalifa Trimeche (Tunis)
Harmonic analysis associated with the Cherednik operators and the Heckman-Opdam theory

Closing
Saturday: November 7, 2009. Excursion

Lunch (13:00)