

Program

Monday: December 18, 2017

08:45 Opening

09:00 — 9:40 **T. Wurzbacher** (Metz)

Multisymplectic surprises

09:50 — 10:30 **S. Mehdi** (Metz)

Asymptotics of characters, associated cycles and Dirac index

10:30 — 11:00 **Coffee break**

11:00 — 11:40 **H. Fujiwara** (Fukuoka)

Polynomial conjecture for restrictions

11:50 — 12:30 **Y. Tanimura** (Tokyo)

An application of F-method to nilpotent homogeneous spaces

— **Lunch**

14:30 — 15:10 **D. Manchon** (Clermont-Ferrand)

About Lie groupoids and their unitary representations

15:15 — 15:55 **V. Abramov** (Tartu)

Triple Lie superalgebras and applications

16:00 — 16:30 **Z. Ghardello** (Tunis)

Sublinear elliptic problem under radialty on harmonic NA groups and euclidean spaces

16:30 — 17:00 **Coffee break**

17:00 — 17:30 **I. Mashhour** (Kuwait)

On a new cipher system over Galois fields of order 27

17:35 — 18:05 **D. Lahyani** (Sfax)

Some uncertainty principales for diamond Lie groups

— **Dinner**

Tuesday: December 19, 2017

08:30 — 09:10 **D. Arnal** (Dijon)

Regular abelian linear actions

09:15 — 09:55 **M. Selmi** (Hammam-Sousse)

Moment and Gelfand transform for enveloping algebra

10:00 — 10:30 **Coffee break**

10:30 — 11:10 **K. Koufany** (Nancy)

Conformally covariant bi-differential operators on a simple real Jordan algebra

11:15 — 11:55 **N. Shimeno** (Sanda)

Spherical functions for small K -types

12:00 — 12:30 **S. Azaouzi** (Sfax)

The Müntz-Szász theorem on some compact extensions of nilpotent Lie groups

— **Lunch**

— **Excursion**

Wednesday: December 20, 2017

08:30 — 09:10 **H. Ishi** (Nogoya)

Siegel integral formula for a wide class of convex cones

09:15 — 09:55 **A. Boussejra** (Kénitra)

L^p -Poisson integral representations of eigensections of the Hua operator on homogeneous line bundles over hermitian symmetric spaces of tube type

10:00 — 10:30 **Coffee break**

10:30 — 11:10 **R. Fendri** (Sfax)

On Baklouti's conjecture for some compact extensions of nilpotent Lie groups

11:15 — 11:55 **L. Merghni** (Tunis)

Contact points and Schatten class of composition operators

12:00 — 12:30 **E. Kurniadi** (Nagoya)

Harmonic analysis on 4-dimensional real exponential solvable Frobenius Lie algebras

— **Lunch**

14:30 — 15:10 **A. Sasaki** (Hiratsuka)

A Cartan decomposition for spherical homogeneous spaces of reductive type

15:15 — 15:55 **Y. Tanaka** (Tokyo)

Visible actions of compact Lie groups on complex spherical varieties

16:00 — 16:30 **S. Benayed** (Sfax)

Müntz-Szász analogues for compact extensions Heisenberg groups

16:30 — 17:00 **Coffee break**

17:00 — 17:30 **S. Negzaoui** (Tunis)

Lipschitz conditions in Laguerre hypergroup

17:35 — 18:40 **J. Cole** (Washington D.C)

The Unreasonable Effectiveness of Mathematics: Maximum Entropy, Bayesian Learning, and Statistical Mechanics

— **Dinner**

Thursday: December 21, 2017

08:30 — 09:10 **A. Makhlouf** (Haute Alsace)

Rota-Baxter operators, O-operators, bisystems and bialgebras

09:15 — 09:55 **M. Maslouhi** (Kénitra)

Probabilistic tight frames and representation of positive operators valued matrices

10:00 — 10:30 **Coffee break**

10:30 — 11:10 **A. Bentaleb** (Meknes)

Ornstein-Uhlenbeck spectral approximations

11:15 — 11:55 **S. Kabbaj** (Kénitra)

On the frames in Hilbert A-modules

12:00 — 12:40 **J. Inoue** (Tottori)

Some examples of holomorphically induced representations of solvable Lie groups

— **Closing**

— **Lunch**