

SCHEDULE

WORKSHOP "DIRAC OPERATORS AND REPRESENTATION THEORY"
ZAGREB, 18.-22.6.2018

Monday, June 18

- 09:20 – 10:00 **Registration**
10:00 – 10:50 **Dan Barbasch:** Admissible modules and closures of nilpotent orbits
11:20 – 12:10 **Vladimír Souček:** Example of a singular BGG complex in a non-Hermitian symmetric case.
15:30 – 16:20 **Leticia Barchini:** Reducible characteristic cycle of Harish-Chandra modules for $U(p, q)$
16:50 – 17:40 **Pierluigi Möseneder Frajria:** Affine Dirac operator for the pair $(\mathfrak{g}, \mathfrak{h})$
17:50 – 18:40 **Kyo Nishiyama:** Functional equation of an enhanced zeta distribution

Tuesday, June 19

- 10:00 – 10:50 **Dragan Miličić:** A generalization of orthogonality relations
11:20 – 12:10 **Jing-Song Huang:** Dirac cohomology, orbit method and unipotent representations
15:30 – 16:20 **Ana Prlić:** Classification of $A_q(\lambda)$ modules by their Dirac cohomology for type D and $\mathfrak{sp}(2n, \mathbb{R})$
16:50 – 17:40 **Karmen Grizelj:** Strengthening of the Dirac inequality
17:50 – 18:40 **Domagoj Kovačević:** On unitary representations of disconnected real reductive groups

Wednesday, June 20

- 10:00 – 10:50 **Eric Opdam:** Unramified local Langlands parameters and the Plancherel measure
11:20 – 12:10 **Dan Ciubotaru:** Dirac cohomology for rational Cherednik algebra at $t=0$ and Calogero-Moser cells
15:30 – 16:20 **Marcelo De Martino:** Dirac operators for rational Cherednik algebras
16:50 – 17:40 **Chaoping Dong:** Spin norm: combinatorics and representations
17:50 – 18:40 **Tomáš Salač:** The domains of monogenicity for the n -Cauchy-Fueter operator and twistor theory
19:00 – **Conference dinner**

Thursday, June 21

- 10:00 – 10:50 **Hendrik De Bie:** Introduction to Bannai-Ito and Racah algebras
- 11:20 – 12:10 **Petr Somberg:** Bernstein-Sato identities and conformal symmetry breaking operators
- 15:30 – 16:20 **Denis Husadžić:** Singular BGG complexes over isotropic 2-Grassmannian
- 16:50 – 17:40 **Vít Tuček:** Nilpotent cohomology of unitarizable highest weight modules
- 17:50 – 18:40 **Petr Zima:** Killing equations and eigenvalues of Dirac operators

Friday, June 22

- 10:00 – 10:50 **David Renard:** Arthur's packets for classical real groups
- 11:10 – 12:00 **Roman Lávička:** Separation of variables and generalized Verma modules
- 12:10 – 13:00 **Pavle Pandžić:** Dirac cohomology for D-modules