

Representation Theory XIX
IUC, Dubrovnik, Croatia, June 23 – 28, 2025
Schedule: Lie groups

Monday, June 23

9:00 – 9:50 **Toshiyuki Kobayashi:** Symmetry Breaking under Translation
10:00 – 10:50 **Jing-Song Huang:** Principal Element and Fourier Operator

Chair: Pavle Pandžić

10:50 – 11:10 **Coffee break**
11:10 – 12:00 **Andrey Krutov:** Clifford algebra analogue of Cartan's theorem for
symmetric pairs

Chair: Hrvoje Kraljević

Tuesday, June 24

9:00 – 9:50 **David Vogan :** Euclidean geometry and unitary representations
10:00 – 10:50 **Noriyuki Abe:** Irreducibility of p-adic Banach principal series
representations

Chair: Jing-Song Huang

10:50 – 11:10 **Coffee break**
11:10 – 12:00 **Pavle Pandžić:** Clifford algebras and Littlewood-Richardson
coefficients

Chair: Kyo Nishiyama

Wednesday, June 25

10:00 – 10:50 **Ivan Penkov:** Categories of integrable $\mathfrak{sl}(\infty)$ -modules with
semilarge annihilator

Chair: Ana Prlić

10:50 – 11:10	Coffee break
11:10 – 12:00	Kieran Calvert: Coxeter matroids, miniscule varieties and Plucker equations
12:10 – 13:00	Wan-Yu Tsai: Towards a Classification of Small Genuine Representations in the Nonsplit Case

Chair: David Vogan

Thursday, June 26

9:00 – 9:50	Kyo Nishiyama: Grassmannians and symmetric spaces
10:00 – 10:50	Kayue Daniel Wong: Unitary Shimura Correspondence for Complex Classical Groups

Chair: Toshiyuki Kobayashi

10:50 – 11:10	Coffee break
11:10 – 12:00	Qixian Zhao: A new geometric comparison between representations of real and p -adic groups

Chair: Kieran Calvert

Friday, June 27

9:00 – 9:50	Genkai Zhang: Heisenberg parabolically induced representation of simple Lie groups
10:00 – 10:50	Robin van Haastrecht: Wehrl-type inequalities for the holomorphic discrete series

Chair: Kayue Daniel Wong

10:50 – 11:10

Coffee break

11:10 – 12:00

Ana Prlić: Unitary highest weight modules with fixed infinitesimal character

Chair: Andrey Krutov

Saturday, June 28

Free discussions