

**October 12:** Pavle Pandžić (University of Zagreb), “Dirac cohomology of unitary highest weight modules.”

Nilpotent Lie algebra cohomology is one of the main tools in representation theory of real reductive groups. In 1988 Enright computed the  $\mathfrak{p}^+$  cohomology for unitary highest weight modules. We recover his result using Dirac cohomology, which can be computed in a much more direct way, and which was shown to be equal to  $\mathfrak{p}^+$  cohomology by Huang-P.-Renard. This is joint work with Kyo Nishiyama.