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Research interest: Representation theory of reductive Lie groups

Recent publications:

- [1] D.Barbasch, P.Pandžić, *Dirac cohomology of unipotent representations of $Sp(2n,R)$ and $U(p,q)$* , **J. Lie Theory** **25** (2015), no. 1, 185 – 213.
- [2] S.Mehdi, P. Pandžić, *Dirac cohomology and translation functors*, **J. Algebra** **375** (2013), 328 – 336.
- [3] J.-S.Huang, P. Pandžić, F.Zhu, *Dirac cohomology, K -characters and branching laws*, **Amer. J. Math.** **135** (2013), no.5, 1253 – 1269.
- [4] D.Barbasch, P. Pandžić, *Dirac cohomology and unipotent representations of complex groups*, in **Noncommutative Geometry and Global Analysis**, A.Connes; A.Gorokhovsky; M.Lesch; M.Pflaum; B.Rangipour (eds.), American Mathematical Society, 2011, 1 – 22.
- [5] J.-S.Huang, P. Pandžić, V.Protsak, *Dirac cohomology of Wallach representations*, **Pacific J. Math.** **250** (2011), no. 1, 163 – 190.

Selected publications:

- [1] J.-S.Huang, P.Pandžić, *Dirac cohomology, unitary representations and a proof of a conjecture of Vogan*, **J. Amer. Math. Soc.** **15** (2002), no. 1, 185 – 202.
- [2] J.-S.Huang, P.Pandžić, G.Savin, *New dual pair correspondences*, **Duke Math. J.** **82** (1996), no.2, 447 – 471.
- [3] P.Pandžić, *Zuckerman functors between equivariant derived categories*, **Trans. Amer. Math. Soc.** **359** (2007), no.5, 2191 – 2220.
- [4] P.Pandžić, *A simple proof of Bernstein-Lunts equivalence*, **Manuscripta Math.** **118** (2005), no.1, 71 - 84.
- [5] J.-S.Huang, P.Pandžić, *Dirac operators in representation theory*, Mathematics: Theory&Applications, **Birkhäuser Boston, Inc., Boston, MA**, 2006. xii+199 pp.