Curriculum Vitae   *Pampa Paul*

CONTACT
INFORMATION

Department of Mathematics
Presidency University
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PERSONAL
INFORMATION

<u>Date of Birth</u>: February 28, 1985
<u>Gender</u>: Female
<u>Nationality</u>: Indian

RESEARCH
INTERESTS

Representation theory of real reductive Lie groups : admissible representations, discrete series representations, Harish-Chandra modules, branching rule, Littelmann's path model.

EDUCATION

<u>B.Sc</u> (2002-2005)

- Major : Mathematics
- College : Raniganj Girl's College, Raniganj-713358, Dist.- Burdwan (W.B.), India.
- University : University of Burdwan, Burdwan, India.
- Percentage : 71.5

<u>M.Sc</u> (2005-2007)

- Major : Mathematics
- University : University of Burdwan, Burdwan, India.
- Percentage : 74.2

<u>PhD</u> (2007- 2013)

- Institute: The Institute of Mathematical Sciences, Chennai, India
- Thesis Advisor: Prof. Parameswaran Sankaran

CURRENT
POSITION

Assistant Professor in the Department of Mathematics, Presidency University, Kolkata, India.

FORMER
POSITION

Post Doctoral Fellow in Indian Statistical Institute, Kolkata, India, during July, 2013 - August, 2014.

AWARDS AND
FELLOWSHIPS

- 2008- Qualified CSIR-JRF in the Joint CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship (July-2008) conducted (jointly) by Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC), India.

- 2007- Selected as a research fellow in Harish-Chandra Research Institute, Allahabad, India.

SCHOOLS AND
CONFERENCES
ATTENDED

- "The 13th Takagi Lectures", November 16 - 17, 2013, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.
- Panorama Lectures on "Infinite dimensional representations of real Lie groups" by Toshiyuki Kobayashi, Feb 18 - 22, 2013, Tata Institute of Fundamental Research, Mumbai, India.
- Workshop on "Representation of real Lie groups", Feb 11 - 15, 2013, Tata Institute of Fundamental Research, Mumbai, India.
- Winter school on "Homogeneous Spaces and Geometric Representation Theory", Feb 27 - Mar 2, 2012, Ruhr University Bochum, Germany.
- Conference on "Cohomology of Arithmetic Groups", Dec 28 - 31, 2011, Tata Institute of Fundamental Research, Mumbai, India.
- ICM 2010 Satellite conference on Geometry, Topology and Dynamics in Negative Curvature, Aug 2 - 7, 2010, Raman Research Institute, Bangalore, India.
- ATM workshop on Riemannian Geometry , July 19 - 30, 2010, TIFR Centre for Applicable Mathematics, Bangalore, India.
- ATM workshop on Topology of manifolds, Feb 1 - 13, 2010, Institute of Mathematical Sciences, Chennai, India.
- Workshop on "Multiplicity Conjectures, Resolution of Singularities and Toric Geometry", Dec 22, 2008 - Jan 3, 2009, IIT Madras, Chennai, India.

LECTURES AND
PRESENTATIONS

- Discrete series representations - in RKMVU weekly colloquium at the research centre of RKMVU, Swami Vivekananda's ancestral home, Kolkata, August 13, 2014.

- Borel-de Siebenthal discrete series and its associated holomorphic discrete series - in the SMU seminar series at Indian Statistical Institute, Kolkata, January, 2014.

- Holomorphic discrete series and Borel-de Siebenthal discrete series - in the "Symposium on Representation Theory 2013" at Maholova Minds Miura in Japan during November 26 - 29, 2013.

- Borel-de Siebenthal discrete series and holomorphic discrete series - in the "JSPS-DST Asian Academic Seminar 2013" at the Graduate School of Mathematical Sciences, the University of Tokyo in Japan during November 3 - 10, 2013.

- L_0-types common to a Borel-de Siebenthal discrete series and its associated holomorphic discrete series - thesis defence talk in IMSc, September, 2013.

- Holomorphic discrete series and Borel-de Siebenthal discrete series - in IMSc mathematics colloquium, 2012.

- Discrete series and their Harish-Chandra module - in IMSc representation theory seminar, 2012.

- Harish-Chandra homomorphism and its applications - in IMSc student seminar, 2012.

- Hermitian symmetric spaces - in IMSc student seminar, 2011.

- Classification of Riemannian globally symmetric spaces - in IMSc student seminar, 2010.

Publication(s)

1. *Borel-de Siebenthal Discrete Series and Associated Holomorphic Discrete Series* , Pampa Paul, K.N. Raghavan, Parameswaran Sankaran, Journal of Lie Theory **24** (2014), No. 2, 475–501, Heldermann Verlag.

References   Dr. R. Parthasarathy

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Dr. K.N. Raghavan

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