

Ten Years of Excellence: 2005-2015

Distinguished Faculty Awardees

"It is the supreme art of the teacher to awaken joy in creative expression & knowledge"



Prof. P.K. Gupta
RRCAT



Prof. Prasad A. Naik
RRCAT



Prof. Sindhunil B. Roy
RRCAT



Prof. A.M. Jayannavar
IoP



Prof. V.S. Sunder
IMSc.



Prof. Jane Alam
VECC



Prof. B.V.R. Tata
IGCAR



Prof. John Philip
IGCAR



Prof. K. Velusamy
IGCAR

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The Institute of Mathematical Sciences (/)

A national institute for research in the theoretical sciences

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IPA Rahul Basu Memorial Award

for the Best Thesis in any area of High Energy Physics

It is our great pleasure to declare that the winners of the IPA Rahul Basu Memorial Award have been selected for the period 2016-2018. These are:

Winners:

Dr. Apratim Kaviraj, Indian Institute of Science, Bangalore.
Thesis Title: Conformal Bootstrap: Old and New.

Dr. Ipsita Saha, University of Calcutta, Kolkata
Thesis Title: The study of the physics beyond the SM at the LHC in the light of dark matter searches.

Runners up:

Dr. Rusa Mandal, The Institute of Mathematical Sciences, Chennai and HBNI.
Thesis Title: Rare B Decays as a probe to beyond standard model physics.

Dr. Taushif Ahmed, The Institute of Mathematical Sciences, Chennai and HBNI.
Thesis Title: QCD Radiative Corrections to Higgs Physics.

The award ceremony will be held as a part of the DAE symposium on High Energy Physics, 10 - 14th December, 2018 in Indian Institute of Technology, Madras. The winners will be given a cash prize of Rs. 25,000/- each and a citation. The runners up will be presented a citation.

About the award

This award is instituted in memory of the late Prof. Rahul Basu, one of India's leading High Energy physicists and a warm and enthusiastic member of the HEP community whose presence is greatly missed. The award, coordinated through the Indian Physics Association, will be given for the two most outstanding Ph.D. theses from India, across all areas of High Energy Physics (theoretical and experimental), during a 2-year period starting from September 1st of each even year. To be eligible for the 2018 award, the thesis should have been accepted with a Provisional Degree Certificate from a recognised university, dated between **September 1, 2016 and August 31, 2018**.

The winners, to be selected by an expert committee, will receive a cash prize (currently Rs 25,000) and a citation. The awards will be presented at the DAE symposium in High Energy Physics. The 2018 award (the fourth one in the series) will be given at the DAE symposium to be held at Indian Institute of Technology Madras (IITM) from December 10-14, 2018. Nomination procedure: Nominations for this award are invited from faculty members working in

High Energy Physics at a university or research institute. They should write to rahul.basu.award@gmail.com (<mailto:rahul.basu.award@gmail.com>) providing the names and email addresses of the nominee, PhD supervisor, and a brief (one paragraph) description of the nominee's work. The name of the nominee should also appear in the Subject line of this email.

Thereafter the award committee will contact the nominee to submit his/her thesis, along with a detailed CV including list of publications and a copy of the Provisional Degree Certificate. The nominee will be asked to request two referees (one of whom can be the nominator) to write directly to the same email address in support of the nomination. In all communications, the nominee's name should appear in the Subject line. The committee if needed will also consult experts in the area of the candidate. Winners will be selected by an expert committee whose decision will be final.

Deadline

The last date to receive nominations will be September 10, 2018. Short-listed nominees may be contacted later on by the expert committee and asked to provide additional details as required.

Award ceremony

The winners will be invited to receive the award at a ceremony during the DAE Symposium in HEP, to be held at the IITM, Chennai from December 10-14, 2018 and to deliver a seminar on their thesis work at the award ceremony. Those who cannot attend in person may be allowed to deliver the talk over the internet.

Earlier Winners:

The earlier winners of this award are

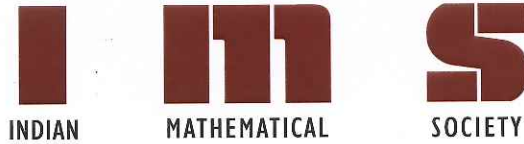
YEAR	AWARDEES	HONOUROBLE MENTION
2012	<p>Dr. Lokesh Kumar (Punjab University) for the thesis "Identified particle production, fluctuations and correlations studies in heavy-ion collisions at RHIC energies".</p> <p>Dr. Diptimoy Ghosh (TIFR) for the thesis "Looking for physics beyond the Standard Model through flavour transitions."</p>	<p>Dr. Debasish Banerjee (TIFR), for the thesis "Nonperturbative studies of strongly interacting matter at finite temperature and density".</p> <p>Dr. Ketan Patel (PRL/Mohanlal Sukhadia University) for the thesis "Beyond the Standard Model Physics: Grand Unification and otherwise".</p>
2014	<p>Dr. Pratishruti Saha (Univ. of Delhi) for the thesis Addressing some issues beyond the standard model at Hadron Colliders</p> <p>Dr. Nikhil Karthick (TIFR Mumbai) for the thesis Studies on gauge link smearing and their applications to lattice QCD at finite temperature.</p>	<p>Dr. Ritu Aggarwal (Panjab University) for the thesis Measurement of High x neutral current ep cross sections and extraction of xF3 structure function using Zeus detector at Hera</p> <p>Dr. Amaresh Jaiswal (TIFR, Mumbai) for the thesis Formulation of relativistic dissipative fluid dynamics and its applications in heavy-ion collisions</p>
2016	<p>Dr. Bhavna Gomber, Calcutta University. Thesis Title: Search of Large Extra Dimensions in g+ET final state in pp collisions with the CMS detector at the LHC.</p> <p>Dr. Roji Pius, Harishchandra Research Institute, Allahabad. Thesis Title: Perturbative aspects of String Theory and Gauge/Strong Duality</p>	<p>Dr. Md. Rihan Haque, NISER, Bhubaneswar. Thesis Title: Nucleii Production and Azimuthal Anisotropy of charged particles in heavy-ion collisions at RHIC</p> <p>Dr. Kirtiman Mohan, CHEP, IISc, Bangalore Thesis Title: The Higgs Boson as a probe of physics beyond the standard model in the era of the LHC.</p>
2018	<p>Dr. Apratim Kaviraj, Indian Institute of Science, Bangalore. Thesis Title: Conformal Bootstrap: Old and New.</p> <p>Dr. Ipsita Saha, University of Calcutta, Kolkata Thesis Title: The study of the physics beyond the SM at the LHC in the light of dark matter searches.</p>	<p>Dr. Rusa Mandal, The Institute of Mathematical Sciences, Chennai and HBNI. Thesis Title: Rare B Decays as a probe to beyond standard model physics.</p> <p>Dr. Taushif Ahmed, The Institute of Mathematical Sciences, Chennai and HBNI. Thesis Title: QCD Radiative Corrections to Higgs Physics.</p>

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Sunanda Banerjee, Debajyoti Choudhury, Debashis Ghoshal, Rohini Godbole, Sourendu Gupta, Neelima Gupte, Bedanga Mohanty and Sunil Mukhi

Kodiyalam, Vijay	2017	AADPV2868G	Professor "H"	Awarded Fellow of the Indian Academy of Sciences, for 2017, by the Indian Academy of Sciences, Bangalore.		
Menon, Gautam I.	2017	AFRPM2661K	Professor "H"	Awarded Outstanding Reviewer Award - Reports on Progress in Physics (2016) , for 2017, by the Institute of Physics, UK for This award recognizes the high quality and timeliness of the awardees reviews for Reports on Progress in Physics. This award is new for 2016, and is given to a very small number of reviewers judged by the editorial teams to have provided exception service.		
Nagaraj, D. S.	2017	AACPN2026R	Professor "H"	Awarded Fellow , for 2017, by the INSA.		
Raghavan, K. N.	2017	ADYPR1659M	Professor "I"	Awarded Fellow , for 2016, by the National Academy of Sciences, Allahabad.		
Samal, Areejit	2016	BQUPS8485 G	Reader 'F'	Awarded Max Planck Partner Group , for 2016, by the Max Planck Society (MPG).		
Dishant Mayurbhai Panchoi	2017	AKRPP8533A	Reader 'F'	Awarded ' B M Birla Science prize ' jointly with Neena Gupta of ISI. This award is mainly for Dishant Panchoi's contributions to the understanding of 5-manifolds.		
Menon, Gautam I.	2018	AFRPM2661K	Professor "H"	Awarded Shastri Mobility Program Fellowship , for 2018, by the Shastri Indo-Canadian Institute for The programme provides an opportunity for personal enrichment and professional development for senior academicians/educational administrators.		
Prasad, Amritanshu	2017	AKSPP5377K	Professor "H"	Awarded Srinivasa Ramanujan Memorial Award Lecture , for 2017, by the Indian Mathematical Society for On the Timed Plactic Monoid.		
Parthasarathi Chakraborty	2018	AAEPP8031A	Professor "H"	Elected as Fellow of the Indian Academy of Sciences.		
Ravindran, V	2018	ABYPV9373Q	Professor "I"	Awarded Fellow of the Indian National Science Academy, for 2018, by the Indian National Science Academy.		
Samal, Areejit	2018	BQUPS8485 G	Reader 'F'	Awarded Research Ambassador , for 2018, by the Deutscher Akademischer Austauschdienst (DAAD) for to promote bilateral cooperation between Germany and India. This appointment is for the period 2018-2022.		
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INDIAN MATHEMATICAL SOCIETY

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December 12 - 15, 2017

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28th Srinivasa Ramanujan Memorial Award Lecture

on

“ The Timed Plactic Monoid ”

delivered by

Amritanshu Prasad

(IMSc. Chennai)

Prof. N. K. Thakare
General Secretary

Prof. Manjul Gupta
President

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