



Faculty Details proforma for DU Web-site

(PLEASE FILL THIS IN AND Email to be HYPERLINK
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 cc: HYPERLINK "assistantdirector@physics.du.ac.in"
assistantdirector@physics.du.ac.in)

Title	Professor	First Name	Patrick	Last Name	Das Gupta	Photograph
Designation						
Address		Department of Physics & Astrophysics, University of Delhi, Delhi - 110007				
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Email		pdasgupta@physics.du.ac.in				
Web-Page		https://www.researchgate.net/profile/Patrick_Das_Gupta				
Educational Qualifications						
Degree		Institution			Year	
5 yrs integrated M.Sc. in Physics		B.I.T.S., Pilani			1981	
Ph.D. in Physics		T.I.F.R., Mumbai			1989	
Career Profile						
<ol style="list-style-type: none"> 1. Post doctoral fellow at IUCAA, Pune, during 1989-93, and very briefly during 1989-90 at University of Wales, Cardiff (UK) and Observatoire de Meudon, Paris 2. Joined the University of Delhi in 1993 as a lecturer 3. Became a reader in 1996 and has been a professor since 2004 						
Administrative Assignments						
<p>(a) I have been a DRC member (VC nominee) of Electronics Science department, South Campus, Delhi University, since 2015, and have been participating regularly in their DRC meetings and conducting PhD interviews.</p> <p>(b) I have been involved with PhD entrance examinations and interviews in the department of physics and astrophysics, university of delhi.</p>						
Areas of Interest / Specialization						
General Relativity; High energy astrophysics; black holes; quantum theory						
Subjects Taught						
Classical mechanics ; Quantum mechanics ; Electromagnetic theory ; Radiation theory; General relativity and Cosmology I and II; Astronomy & Astrophysics-II; Computer lab. ; Waves & Optics lab. ; Laser & Spectroscopy lab.						
Research Guidance						
Two students (Niraj Upadhyay and Varsha Gupta) had completed their PhD with me. Currently one student (Nidhi Saini) is enrolled for her PhD with me.						
Publications Profile						

- (a) Patrick Das Gupta and Nidhi Saini, Journal of Astrophysics and Astronomy, 39: 14 , 2018
- (b) Fazlu Rahman & Patrick Das Gupta, Ecologies of the NEW: Matter, mind & body, Pp. 377-383 (MESMAC, Volume 1, 2018)
- (c) Patrick Das Gupta & Fazlu Rahman, Proceedings of an International Conference, 'The Physical Universe-2018', eds. S. Wagh, S. Maharaj & G. Chon (CIRI, Nagpur, 2018)
- (d) Patrick Das Gupta, Proceedings of the 9-th International Conference on Oriental Astronomy, eds. W. Orchiston, A. Sule & M. Vahia (TIFR, Mumbai, 2018), Pp. 47-53
- (e) N. Rathnasree, P. Das Gupta & A. Garg, Proceedings of the 9-th International Conference on Oriental Astronomy, eds. W. Orchiston, A. Sule & M. Vahia (TIFR, Mumbai, 2018), Pp. 17-33

And also please see: https://www.researchgate.net/profile/Patrick_Das_Gupta

Conference Organization/ Presentations (in the last three years)

1. I delivered a set of lectures on 'Introduction to Gravitational Waves' in a Summer School on Gravitational Waves Astronomy held at ICTS, Bangalore, during June-July in 2015.
2. I presented a paper on 'Supermassive black holes from Bose-Einstein condensates' in ICGC at IISER, Mohali, during December 14-18, 2015.
3. I was invited to deliver a set of lectures on 'Introduction to gravitational waves' at the National School on Gravitational Waves organized by IUCAA at Kochi during December 2015 - January 2016.
4. I presented an invited lecture on 'Supermassive black holes from Bose-Einstein condensates' at the FTAG-2016 held in SNBNCBS, Kolkata, during February 22-26, 2016.
5. I presented a paper on 'Supermassive black holes from Bose-Einstein condensates' in the International Conference on General Relativity and Gravity held at the Columbia University, New York, during July 10 - 15, 2016.
6. I presented a paper on 'Supermassive black holes from Bose-Einstein condensates' in the Conference on Long Range interactions in many body physics held at the ICTP, Trieste, during July 25 - 29, 2016.
7. I presented a paper on COMETS, HISTORICAL RECORDS AND VEDIC LITERATURE, in the International Conference on Oriental Astronomy, held at IISER, Pune, in November 2016.
8. I was invited to give a lecture on Bose-Einstein condensates in Frontiers of Physics, 2017, University of Burdwan and INO (TIFR) .

9. I was invited to co-chair the Classical Gravity Workshop sessions of 29-th meeting of IAGRG held at IIT, Guwahati, in May 2017, and I also presented a paper in the conference.
10. I was invited to present a paper in RETCO-III held in IIAST, Thiruvananthapuram, in June 2017.
11. I was invited to present a paper in the workshop on Gamma Ray Bursts: Prompt to Afterglow, held at NCRA (TIFR), Pune, in July 2017.
12. I was invited to deliver a lecture on 'Direct detection of gravitational waves' in a conference organized by P.R.L., Ahmedabad, on New Initiatives in Fundamental Science Experiments held in Udaipur during September 12-14, 2017.
13. I was invited to deliver a lecture on 'An outburst on Gravitational Wave Bursts, Radio Bursts and Gamma Ray Bursts' in the Journal Club School of Physical Sciences, JNU, in October 6, 2017.
14. I was invited to deliver a lecture on 'Three faces of quantum phase' in a Workshop on Quantum Physics held at Kalindi College, University of Delhi, on October 6, 2017.
15. I was invited to deliver lectures in many Refresher Courses for Teachers held at Jawaharlal Nehru University, New Delhi, during 2015-2017, on subjects ranging from quantum physics to astrophysics.
16. I was invited to deliver a lecture on Formation of Supermassive black holes in an International Conference on The Physical Universe at Nagpur during 26.2.18 to 1.3.18.
17. BITS, Pilani, had invited me to deliver a lecture on 'Hawking's legacy in Physics' organized to pay homage to Stephen Hawking in April, 2018.
18. I was invited to lecture on 'Gravitational Waves' at IIT, Mandi, in May, 2018.
19. I was invited to give a lecture on 'Recent excitement in the research in Astrophysics' in a workshop on 'Pedagogy and Research in universities' at Amity University, Gwalior, in May, 2018.
20. I delivered a lecture on 'Fast Radio Bursts' in the Feynman Club of St. Stephen's College on 3.8.18.
21. I will be delivering a set of lectures on 'General Relativity' in SERB preparatory school in Theoretical High Energy Physics at the Central University, Hyderabad, in September, 2018.
22. I presented a poster paper in the International Conference on Oriental Astronomy held at IISER, Pune, in November 2016.

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions
Association With Professional Bodies
<p>1. I was selected as a member of the International Advisory Committee of XI-th International Conference on Gravitation, Astrophysics and Cosmology of Asia-Pacific Countries, held in Kazakhstan, during October 2013.</p> <p>2. I am a member of Indigo Consortium for gravitational waves detection, and have delivered series of lectures on Gravitational Waves held at various IUCAA workshops like in Tezpur University, Assam, in January, 2012, in BITS-Pilani, Goa Campus, in December, 2012, and in Kochi, Kerala, during December 28, 2015 - January 1, 2016.</p> <p>3. I am a life member of Indian association of general relativity and gravitation (IAGRG).</p>
Other Activities
<p>I was selected by Homi Bhabha Centre of Science Education, TIFR, to lead the Indian delegation of physics students at the International Physics Olympiad held in Mumbai, India, during July 2015. I have been involved in International Olympiads since 2011. I was also selected by Homi Bhabha Centre of Science Education, TIFR, to lead the Indian delegation of physics students at the International Physics Olympiad held in Tallinn and Tartu, Estonia, during July 2012. I was part of the academic team of International Olympiad on Astronomy and Astrophysics, held at NISER, Bhubaneswar, in December 2016.</p>

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.