



University Faculty Details Page on DU

Web-site

Title	Dr.	First Name	Swarnendu	Last Name	Sarkar	Photograph
Designation	Assistant Professor					
Department	Physics & Astrophysics					
Address (Campus)	North Campus, University of Delhi, Delhi - 110 007					
(Residence)	Flat B-4; Teachers' Residential Block - Type II; Mukherjee Nagar; Delhi - 110 009					
Phone No (Campus)						
(Residence)						
Mobile	+919958479657					
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Email	ssarkar@physics.du.ac.in					
Web-Page						
Education						
Subject	Institution		Year	Details		
Ph.D.	Institute of Mathematical Sciences, Chennai		2005	Thesis topic: Aspects of Noncommutativity in Field and String Theory and Closed String Tachyon Condensation		
M.Sc.	Institute of Mathematical Sciences, Chennai		2001	Subject: Theoretical Physics		
B.Tech.	Indian Institute of Technology, Kharagpur		1997	Subject: Mechanical Engineering		
Career Profile						
Organisation / Institution		Designation	Duration	Role		
IOP, Bhubaneswar		Post Doctoral Fellow	2005-2007	Research		
TIFR, Mumbai		Post Doctoral Fellow	2008	Research		
University of Delhi		Assistant Professor	2008-Present	Teaching and Research		
Research Interests / Specialization						
Quantum Field Theory, String Theory						
Teaching Experience (Subjects/Courses Taught)						
Classical Mechanics (2010,2011)						
Field Theory and Quantum Electrodynamics I (2012,2013,2014)						
Field Theory and Quantum Electrodynamics II (2012-2013, 2013-2014,2014-2015)						
Quantum Mechanics I (2014,2015)						
Radiation Theory (2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2015-2016)						
Statistical Mechanics (2009)						

Publications (LAST FIVE YEARS)

In Indexed/ Peer Reviewed Journals

Year of Publication	Title	Journal	Co-Author(s)
2010	Properties of CFTs dual to charged BTZ Black Hole	Nucl. Phys. B 839 (2010) 526-551	D.Maity, B.Sathiapalan, R.Shankar, N.Sircar
2011	Strong Coupling BCS Superconductivity and Holography	Nucl. Phys. B 852 (2011) 634-680	S.Kalyana Rama B.Sathiapalan N.Sircar
2012	A Comparative Note on Tunneling in AdS and in its Boundary Matrix Dual	JHEP 05 (2012) 004	B. Chandrasekhar, S. Mukherji, A. Sahay
2014	BCS Instability and Finite Temperature Correction to Tachyon Mass in Intersecting D1-Branes	JHEP 1409 (2014) 063	S. Paul Chowdhury B. Sathiapalan
2016	Finite Temperature Correction to Tachyon Mass in Intersecting D-Branes	To appear	S. Paul Chowdhury V. Sethi P. Sharma

Total Publication Profile

[INSPIRE](#) (please see this link)

Conference Presentations

Four

Conference Organization

1. National Strings Meeting (December 7-12 2011), at Dept. of Physics and Astrophysics, University of Delhi. [Web-Page](#)

2. International Conference On Light Cone Physics: "Hadronic and Particle Physics" (December 10-15 2012), at Dept. of Physics and Astrophysics, University of Delhi. [Web-Page](#)