

Sukrit CHAKRABORTY

PERSONAL DATA

SON OF: Tapas Chakraborty
SEX: Male
NATIONALITY: Indian
PLACE AND DATE OF BIRTH: Murshidabad, West Bengal, India | May 8, 1993
RESIDENTIAL ADDRESS: Kalinagar Govt. Coloni, Krishnanagar, Nadia, WB
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RESEARCH EXPERIENCE

Publications

1. Arijit Chakraborty; Sukrit Chakraborty and Rajat Subhra Hazra. *Correction: Eigenvalues Outside the Bulk of Inhomogeneous Erdős-Rényi Random Graphs*. *Journal of Statistical Physics*. 191 (2024), article no. 44.
2. Arijit Chakraborty; Manish Pandey and Sukrit Chakraborty. *Length of stationary Gaussian excursions*. *Proceedings of the American Mathematical Society*. 151 (2023), pp. 1339-1348.. Available at- <https://arxiv.org/abs/2111.13206>
3. Arijit Chakraborty; Manish Pandey and Sukrit Chakraborty. *Length of stationary Gaussian excursions*. *Proceedings of the American Mathematical Society*. 151 (2023), pp. 1339-1348.. Available at- <https://arxiv.org/abs/2111.13206>
4. Arijit Chakraborty; Sukrit Chakraborty and Rajat Subhra Hazra. *A note on the folklore of free independence*. *Statistics and Applications*. Volume 19, No. 1, 2021 (New Series), pp 187–198
5. Sukrit Chakraborty and Sourav Kanti Patra. *Infinite image partition regular matrices—solution in C -sets*. *Bulletin of the Brazilian Mathematical Society*. New Series. 52 (2021), no. 2, 253–265
6. Sukrit Chakraborty. *Some contributions to free probability and random matrices*. PhD thesis (2020)
7. Arijit Chakraborty; Sukrit Chakraborty and Rajat Subhra Hazra. *Eigenvalues outside the bulk of inhomogeneous Erdős-Rényi random graphs*. *Journal of Statistical Physics*. 181 (2020), no. 5, 1746–1780
8. Tanumoy Bhattacharya; Sukrit Chakraborty and Sourav Kanti Patra. *Combined algebraic properties of C^* -sets near zero*. *Semigroup Forum*. 100 (2020), no. 3, 717–731
9. Arijit Chakraborty; Sukrit Chakraborty and Rajat Subhra Hazra. *Regular variation and free regular infinitely divisible laws*. *Statistics & Probability Letters*. 156 (2020), 108607, 11 pp
10. Sukrit Chakraborty and Rajat Subhra Hazra. *Boolean convolutions and regular variation*. *ALEA*. Latin American Journal of Probability and Mathematical Statistics. 15 (2018), no. 2, 961–991

11. Sourav Kanti Patra and Sukrit Chakraborty. *C-image partition regularity near zero*. Indian Journal of Mathematics. 60 (2018), no. 3, 457–470

Preprints

1. Kartick Adhikary and Sukrit Chakraborty. *Shotgun Assembly of Linial-Meshulam Model*. (2022). Available at- <https://arxiv.org/abs/2209.10942>

ACTED AS REFEREE FOR THE FOLLOWING JOURNALS

Proceedings of the Indian Academy of Sciences: Mathematical Sciences (1)

PROFESSIONAL EXPERIENCE

NOVEMBER 28, 2023 - PRESENT	Assistant Professor of Mathematics Achhruram Memorial College , Jhalda, West Bengal College Website
AUGUST 2021 - NOVEMBER 27, 2023	NBHM Post Doctoral Fellow at SMU Indian Statistical Institute , Kolkata
MAY 2021 - JULY 2021	Visiting Scientist at SMU Indian Statistical Institute , Kolkata
SEPTEMBER 2020 - MARCH 2021	Project linked person at ACMU Indian Statistical Institute , Kolkata

EDUCATION

- NOVEMBER, 4 2020 PhD thesis defence
Indian Statistical Institute, Kolkata
- APRIL, 26 2020 Submitted PhD thesis
Indian Statistical Institute, Kolkata
- JULY 2015 - AUGUST 2020 Research Fellow in MATHEMATICS
Indian Statistical Institute, Kolkata
Advisors: Dr. Rajat Subhra HAZRA and Dr. Arijit CHAKRABARTY
- JULY 2013 - MAY 2015 Master of Science in MATHEMATICS
Ramakrishna Mission Vidyamandira, Belur
under *University of Calcutta*
PERCENTAGE OF MARKS: 80.5
- JULY 2010 - JULY 2013 Bachelor of Science in MATHEMATICS
Ranaghat College
under *Kalyani University*
PERCENTAGE OF MARKS: 63.75
- JULY 2008 - JULY 2010 Higher Secondary (SCIENCE)
Lalbagh Singhi Higher secondary School
under *West Bengal Council of Higher Secondary Education*
PERCENTAGE OF MARKS: 79
- JULY 2008 Maddhyamik (SECONDARY)
Lalbagh Singhi High School
under *West Bengal Board of Secondary Education*
PERCENTAGE OF MARKS: 88.5

ADDITIONAL QUALIFICATIONS

- MAY 2021 Selected for a post doctoral position in the department of
Mathematics at IIT Bombay
- JUNE 2015 Qualified The Council of Scientific and Industrial Research's
National Eligibility Test (CSIR-NET) (RANK - 28)
- MARCH 2015 Qualified Graduate Aptitude Test
in Engineering (GATE) (RANK - 218)
- DECEMBER 2014 Qualified University Grants Commission's
National Eligibility Test (UGC-NET) (RANK - 55)

SCHOLARSHIPS

- 2014-15 National Board for Higher Mathematics M. Sc. Scholarship
2013-14 Swami Vivekananda Merit-cum-Means Scholarship for Master's course
2010-11 Sitaram Jindal Foundation Scholarship for Bachelor course
2008-10 West Bengal Merit-cum-Means Scholarship during Higher Secondary course.

AWARDS

- 2015 Harish Chandra Silver Medal,
Banikanta and Leela Banerjee Memorial Prize and
Satya Padma Basu Memorial Medal and Prize
for securing second position in M. Sc.

ACADEMIC VISITS

- MARCH 24 - APRIL 3, 2022 Department of Mathematics,
Indian Institute of Science Education and Research,
Bhopal
Host: Dr. Kartick Adhikari
- MAY 22 - MAY 31, 2023 Department of Mathematics,
Indian Institute of Science Education and Research,
Bhopal
Host: Dr. Kartick Adhikari

WORKSHOPS AND CONFERENCES ATTENDED

- DECEMBER 2 - 6, 2022 [Lectures in Probability and Stochastic Processes XV](#)
Indian Institute of Science, Bangalore
- MARCH 25 - 26, 2022 [IISER Bhopal Math Symposium](#)
Indian Institute of Science Education and Research,
Bhopal
- JANUARY 6 - 10, 2020 [Discussion Meeting on Stochastic Analysis, Geometry
and Random Fields](#)
Indian Statistical Institute, Bangalore
- DECEMBER 2 - 6, 2019 [Lectures in Probability and Stochastic Processes XIV](#)
Indian Statistical Institute, Delhi
- NOVEMBER 13–14, 2019 [Two Random Days](#)
Indian Statistical Institute, Kolkata
- APRIL 25 - 26, 2019 [Two Random Days in Probability and Statistics](#)
Indian Statistical Institute, Kolkata
- JANUARY 14 - 18, 2019 [Universality in Random Structures:
Interfaces, Matrices, Sandpiles](#)
International Centre for Theoretical Sciences, Bangalore
- DECEMBER 7 - 11, 2018 [Lectures in Probability and Stochastic Processes XIII](#)
Indian Statistical Institute, Bangalore
- JANUARY 29-FEBRUARY 2, 2018 [ISI-Networks Conference in probability](#)
Indian Statistical Institute, Kolkata
- DECEMBER 15 - 19, 2017 [Lectures on Probability and Stochastic Processes XII](#)
Indian Statistical Institute, Kolkata
- MAY 12 - 14, 2017 [A Probability meeting to be named later](#)
Indian Statistical Institute, Bangalore
- NOVEMBER 25 - 29, 2016 [Lectures on Probability and Stochastic Processes XI](#)
Indian Statistical Institute, Delhi Centre

SEMINARS

- MARCH 25, 2022 Title: [Shotgun Assembly of Random Geometric Graphs](#)
Venue: Indian Institute of Science Education and Research, Bhopal
(Invited speaker)
- NOVEMBER 4, 2020 Title: Some contributions to free probability and random matrices
Venue: Indian Statistical Institute, Kolkata
(Thesis defence talk)
- MARCH 19, 2020 Title: Some contributions to free probability and random matrices
Venue: Indian Statistical Institute, Kolkata
(Thesis pre-submission talk)
- NOVEMBER 14, 2019 Title: [Largest eigenvalue of the adjacency matrix of non-sparse inhomogeneous Erdős-Rényi random graphs](#)
Venue: Indian Statistical Institute, Kolkata
(Speaker in Two Random Days)
- JULY 10, 2019 Title: [Largest eigenvalue of in-homogeneous Erdős-Rényi random graph](#)
Venue: Indian Statistical Institute, Kolkata
(Annual evaluation talk)
- MAY 24, 2018 Title: [Boolean and free convolutions of measures with regularly varying tails](#)
Venue: Indian Statistical Institute, Kolkata
(Thesis proposal talk)
- JULY 14, 2017 Title: [Regular variation and free infinitely divisible distributions](#)
Venue: Indian Statistical Institute, Kolkata
(Graduate seminar)
- NOVEMBER 14, 2017 Title: [Boolean convolutions and regular variation](#)
Venue: Indian Statistical Institute, Kolkata
(Graduate seminar)

POSTERS PRESENTED

- DECEMBER 3, 2019 Title: Largest eigenvalue of the adjacency matrix of non-sparse inhomogeneous Erdős-Rényi random graphs
Venue: Indian Statistical Institute, Delhi
([Lectures in Probability and Stochastic Processes XIV](#))
- DECEMBER 7, 2018 Title: A probability measure and its Lévy measure
Venue: Indian Statistical Institute, Bangalore
([Lectures in Probability and Stochastic Processes XIII](#))
- DECEMBER 16, 2017 Title: Boolean convolutions and regular variation
Venue: Indian Statistical Institute, Kolkata
([Lectures on Probability and Stochastic Processes XII](#))

TEACHING EXPERIENCE

- JULY 10-21, 2023 Tutorial assistant for “AIS - Stochastic Processes (2023)” and “BISSP 2023 - Stochastic Processes”
Venue: [National Institute of Science Education and Research, Khurda, Odisha](#)
- JANUARY, 2023 - MAY, 2023 Teaching assistant for the course “Measure Theoretic Probability”
Venue: Indian Statistical Institute, Kolkata
(Audience : Students of M. Stat. second semester)
Teacher : [Prof. Arup Bose](#)
- AUGUST, 2022 - DECEMBER, 2022 Taught (jointly with [Arijit Chakrabarty](#)) the course “Probability Theory III”
Venue: Indian Statistical Institute, Kolkata
(Audience : Students of B. Stat. third semester)
- FEBRUARY, 2022 - JUNE, 2022 Taught (jointly with [Arijit Chakrabarty](#)) the course “Probability Theory II”
Venue: Indian Statistical Institute, Kolkata
(Audience : Students of B. Stat. second semester)
- SEPTEMBER, 2021 - JANUARY, 2022 Taught (jointly with [Arijit Chakrabarty](#)) the online course “Probability Theory I”
Venue: Indian Statistical Institute, Kolkata
(Audience : Students of B. Stat. first semester)
[Course materials](#)
- JANUARY - MAY, 2020 Teaching assistant for the course “Probability Theory II”
Venue: Indian Statistical Institute, Kolkata
(Audience : Students of B. Stat. second semester)
Teacher : [Prof. Gopal Krishna Basak](#)
- JULY - DECEMBER, 2019 Teaching assistant for the course “Probability Theory I”
Venue: Indian Statistical Institute, Kolkata
(Audience : Students of B. Stat. first semester)
Teacher : [Prof. Gopal Krishna Basak](#)
- JULY 1-5, 2019 Tutorial assistant for the course “Conditional probability and Martingales”
Venue: [National Institute of Science Education and Research, Khurda, Odisha](#)
([AIS - Stochastic Processes - level I \(2019\)](#))
Teacher : [Arijit Chakrabarty](#)
- JANUARY - MAY, 2019 Teaching assistant for the course “Introduction to Stochastic Processes”
Venue: Indian Statistical Institute, Kolkata
(Audience : Students of B. Stat. fourth semester)
Teacher : [Deepan Basu](#)

LANGUAGES

BENGALI: Mothertongue
ENGLISH: Fluent

COMPUTER SKILLS

Basic Knowledge: C++, R, L^AT_EX
Intermediate Knowledge: Excel, Word, PowerPoint.

INTERESTS AND ACTIVITIES

Paradoxes in Mathematics
Football, Chess

REFERENCES

- [Rajat Subhra HAZRA](#)
Assistant Professor in University of Leiden
Rapenburg 70, 2311 EZ Leiden, Netherlands
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- [Arijit CHAKRABARTY](#)
Associate Professor
Theoretical Statistics and Mathematics Unit
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Email: arijit.isi@gmail.com
- [Arup BOSE](#)
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I do hereby declare that all the information given above is true to the best of my knowledge and belief.

Sukrit Chakraborty

July 23, 2024