

Indrajit Ghosh | Curriculum Vitae

8th Mile Mysore Road, RVCE Post – Bangalore 560 059, India

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Education

Stat-Math Unit, Indian Statistical Institute Bangalore

Philosophiae Doctorate in Mathematics

Bangalore, India

Jul 2019 – Present

Department of Pure Mathematics, University of Calcutta

Master of Science in Pure Mathematics

Kolkata, India

2016 – 2018

Barasat Government College

Bachelor of Science in Mathematics (Hons.)

Barasat, India

2013 – 2016

Research Interests

Operator Algebras: von Neumann Algebras, Type II_1 Factors, C^* -Algebras; Operator Theory; Topology

Publication

- (Pre-print) *Algebraic aspects and functoriality of the set of affiliated operators* (with S. Nayak), **2023**, [arXiv:2311.16170](https://arxiv.org/abs/2311.16170)

Fellowships and Achievements

- Selected for **NBHM JRF** fellowship, *National Board for Higher Mathematics*, Dept. Of Atomic Energy, Govt. of India, 2019, Ref No. 0203/11/2019-R&D-II/9261.
- Selected as JRF at Indian Statistical Institute, 2019
- Selected as JRF at IIT Madras, 2019
- Selected as JRF at IISER Bhopal, 2019
- Qualified **GATE** in Mathematics(MA), 2019
- Qualified Joint **CSIR-UGC NET JRF** fellowship, Dec 2018

Contributed Talks

Workshop on Completely Positive Maps

Indian Statistical Institute Bangalore

Bangalore, India

Jan 15 – Apr 29, 2024

- Venue: Stat-Math Unit, ISI

- Website: [Click here](#)

Young Mathematicians in Operator Algebras

Indian Statistical Institute Delhi

Delhi, India

Feb 27, 2024

- Venue: Stat-Math Unit, ISI

- Website: <https://sites.google.com/view/ymoa/home>

- Abstract: [Click here](#)

International Conference on Spectral and Approximation Theory

Cochin University of Science and Technology

Kerala, India

Nov 29, 2023

- Venue: Department of Mathematics, CUSAT

- Website: <https://sites.google.com/view/icsat-23/>

- Abstract: [Click here](#)

Teaching Experiences

Indian Statistical Institute Bangalore

Teaching Assistant

Bangalore, India

Jan 2024 – Present

- Course: [A Course in Harmonic Analysis \(B. Math III\)](#)
- Instructor: Soumyashant Nayak

Indian Statistical Institute Bangalore

Teaching Assistant

Bangalore, India

Aug 01 – Nov 25, 2023

- Course: [Analysis of Several Variables \(B. Math II\)](#)
- Instructor: Mathew Joseph

Indian Statistical Institute Bangalore

Teaching Assistant

Bangalore, India

Aug 2022 – Nov 2022

- Course: [Complex Analysis I \(B. Math III\)](#)
- Instructor: Mathew Joseph

Indian Statistical Institute Bangalore

Teaching Assistant

Bangalore, India

Jan 2022 – Apr 2022

- Course: [Functional Analysis \(M. Math I\)](#)
- Instructor: Soumyashant Nayak

Indian Statistical Institute Bangalore

Teaching Assistant

Bangalore, India

Sep 21 – Dec 23, 2021

- Course: [Optimization \(B. Math II\)](#)
- Instructor: Soumyashant Nayak

Conferences and Workshops Attended

Young Mathematicians in Operator Algebras

Indian Statistical Institute Delhi

Delhi, India

Feb 26 – Mar 02, 2024

- Venue: Stat-Math Unit, ISI
- Website: <https://sites.google.com/view/ymoa/home>

International Conference on Spectral and Approximation Theory

Cochin University of Science and Technology

Kerala, India

Nov 27 – 30, 2023

- Venue: Department of Mathematics, CUSAT
- Website: <https://sites.google.com/view/icsat-23/>

Conference on Functional Analysis and Related Topics-2023

Indian Institute of Technology Bombay, India

Bombay, India

Feb 21 – 25, 2023

- Venue: Victor Menezes Convention Centre (VMCC), IIT Bombay
- Website: <https://sites.google.com/view/cfart-2023-iitb/>

Tomita-Takesaki Modular Theory

Indian Statistical Institute, Bangalore, India

Bangalore, India

Jan 18 – Apr 26, 2023

- Venue: Stat-Math Unit, ISI
- Website: [Click here](#)

Ergodic Theory and Dynamical Systems

International Centre for Theoretical Sciences

Bangalore, India

Dec 05 – 16, 2022

- Venue: Ramanujan Lecture Hall (ICTS) and Online
- Website: <https://www.icts.res.in/program/ETDS2022>

Baby Steps Beyond the Horizon

Institute of Mathematics Polish Academy of Sciences

Warszawa, Poland

Aug 29 - Sep 02, 2022

- Venue: Online
- Website: <https://www.impan.pl/en/activities/banach-center/conferences/22-babysteps>

A Conference on Ergodic Theory and von-Neumann Algebra

National Institute of Science Education and Research

Odisha, India

Aug 04 – 06, 2022

- Venue: Online
- Website: <https://www.niser.ac.in/etvna>

IFCAM - Mathematical Aspects of Quantum Mechanics

Indian Institute of Science Bangalore

Bangalore, India

Jun 01 – 12, 2022

- Venue: Math Dept., IISc
- Website: <https://ifcam.sciencesconf.org/>

Advanced Instructional School - Advanced Linear Algebra

Indian Statistical Institute Bangalore

Bangalore, India

May 09 – 28, 2022

- Venue: Stat-Math Unit, ISI
- Website: <https://www.atmschools.org/school/2022/AIS/ala>

Quantum Probability and Infinite Dimensional Analysis

Indian Statistical Institute Bangalore

Bangalore, India

Jan 17 – 20, 2022

- Venue: Stat-Math Unit, ISI
- Website: <https://www.isibang.ac.in/statmath/conferences/QPIDA-2022.html>

IWM Mini Course on Approximate Solutions of Operator Equations

Indian Women and Mathematics

India

Nov 2021

- Venue: Online
- Website: https://drive.google.com/file/d/1FYd-6j_hw0Mfc2Z9NIQiv2ZqSnF859J4/view

Online Workshop on Algebraic Number Theory

Assam University

Assam, India

Sep 2020

- Venue: Online

References

- **Dr. Soumyashant Nayak**, *Assistant Professor* | Office A-14, Stat-Math Unit, Indian Statistical Institute Bangalore | soumyashant@isibang.ac.com
- **Dr. Nisith Chandra Das**, *Associate Professor* | Department Of Mathematics, Barasat Govt. College, West Bengal, India | dasnisith@gmail.com
- **Dr. Atasi Deb Ray**, *Associate Professor* | Department Of Pure Mathematics, University of Calcutta | adrpm@caluniv.ac.in