

Siva Athreya

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Date of Birth January 7th, 1971.

Citizen Indian.

Education

1. September 1993 to August 1998 : Ph.D. in Mathematics, at the Department of Mathematics, University of Washington, Seattle, U.S.A.
Thesis supervisor: Professor K. Burdzy.
2. June 1991 to June 1993 : Master of Statistics, Specialized in Advance Probability, at the Indian Statistical Institute, Calcutta and Bangalore, India.
3. June 1988 to June 1991 : Bachelor of Science in Mathematics (Honours), at St. Stephen's College, Delhi, India.

Employment

1. Jerold E. Marsden Distinguished Post-doctoral Fellowship at the Fields Institute for Research in Mathematical Sciences (1998-1999).
2. Post-doctoral Fellow at the Pacific Institute for the Mathematical Sciences and Department of Mathematics, University of British Columbia, Vancouver, Canada (1999-2001).
3. Assistant Professor, Stat-Math Unit, Indian Statistical Institute, New Delhi and Bangalore Centres (2001-2005).
4. Associate Professor, Stat-Math Unit, Indian Statistical Institute, Bangalore, India (2005-2011).
5. Professor, Stat-Math Unit, Indian Statistical Institute, Bangalore, India (2011-present).
6. Associate Dean, Indian Statistical Institute, Bangalore, India (2014-2018).

Awards

1. Fellow of the Indian National Sciences Academy (2022)
2. Infosys Chair Professor at Chennai Mathematical Institute (2021)
3. Satish Dhawan Visiting Professor at Indian Institute of Science (2019)
4. Fellow of the Indian Academy of Science (2015)
5. Shanti Swarup Bhatnagar Award (2012)
6. Homi Bhabha Fellowship (2009)
7. CSIR-Grant in Aid Scheme (2008-2011)
8. Scopus Young Scientist Award (2008)
9. Associate of the Indian Academy of Sciences (2002).
10. Jerold E. Marsden Distinguished Post-doctoral Fellowship at the Fields Institute for Research in Mathematical Sciences (1998-1999).
11. J. Watumull Scholarship for students of East-Indian origin at the University of Washington. (1995-1996, 1996-1997, 1997-1998 academic years.)
12. Departmental Fellowship for performance in Ph.D. qualifying exams-94 at the University of Washington (1995).
13. Prize money for books for performance in the Master of Statistics Program at the Indian Statistical Institute, Bangalore (1993).
14. Monk Memorial scholarship at St. Stephen's College, Delhi (1991).

Selected Publications

1. Siva Athreya and Antal Jarai. Infinite volume limit for the stationary distribution of Abelian sandpile models. *Communications in Mathematical Physics* (249), 1, pages 197-213, (2004)
2. Siva Athreya and Jan Swart. Branching-coalescing particle systems. *Probability Theory and Related Fields*, (131), 3, pages 376-414, (2005).
3. Siva Athreya and Jan Swart. Survival of Contact Process on Hierarchical Group *Probability Theory and Related Fields*, (147), 3, pages 529-563, (2010)
4. Siva Athreya, Wolfgang Löhner, and Anita Winter. Invariance principle for variable speed random walks on trees. *Annals of Probability* 45, (2) pages 625-667, (2017).
5. Strong existence and uniqueness for stable stochastic differential equations with distributional drift Siva Athreya, Oleg Butkovsky, and Leonid Mytnik. *Annals of Probability* Volume 48, Number 1 (January 2020), 178-210.

Short Term Academic Visits

1. University of Warwick, Coventry, U.K., Aug. 96, Jul. 97, Mar. 98, Apr. 99.
2. U.S.A.: University of Washington, Seattle, U.S.A., Aug. 99 and University of California, Berkeley, Sep. 02, Jan.-Jun. 04.
3. Germany: WIAS, Berlin, Germany, May. 00; University of Erlangen, Jun. 00, Aug. 01, Jul 03, Nov. 04; and Universität Duisburg, Essen May-July 11, Aug 2014.
4. Technion- Israel Institute of Technology, Haifa, Israel, Sep. 01, Feb 06, Oct 07, Mar 15, Jan 16.
5. Canada: University of British Columbia, Vancouver, June 02, Jan-April 11; Fields Institute for Research in Mathematical Sciences May 02, Aug 04; and York University, Toronto, Oct 06, July 07.
6. FIM- Institute for Mathematical Research, ETH, Zurich, Nov. 04.
7. National University of Singapore, Singapore March 10, Aug-Dec 11, Nov 14, Feb 15, Nov 15 and Feb 16.
8. Institute of Mathematical Sciences, Chennai, Nov. 07, Nov. 08.

Probability community work

1. Principal local organiser: ICM-Satellite Meeting in Probability and Stochastic Processes, August 2010.
2. Founder organiser: Lectures in Probability and Stochastic Process Series. Currently in its eleventh year.
3. Installed the original search engine for the Electronic journal in Probability.
4. Associate Editor at the Ramanujan Mathematical Society (2015-present).
5. Program Committee chair, 10th World Congress in Probability and Statistics, jointly sponsored by the Bernoulli Society and the Institute of Mathematical Statistics, to be held in July 2021, in Seoul, South Korea.
6. Editor in Chief- Electronic Communications in Probability (2021-2023). (Published by: Institute of Mathematical Statistics and Bernoulli Society)

Public Administration

1. Designed (and maintain currently) the Statmath unit webpage of Indian Statistical Institute (Bangalore).
2. Committee work at the Indian Statistical Institute, Bangalore: Research Fellow Advisory Committee (2005- 2010) [Initiated a program for incoming Ph.D. students towards a doctoral degree. Committee is in charge of implementation of the Ph.D. program] ; Central Computer Committee (2005-2010+ 2019-present [Chair])[Committee is in charge of all computer upgrades, purchases and maintenance for the Bangalore centre].
3. Associate Dean at the Indian Statistical Institute Bangalore (2014-2018) [Responsible for academic programs and student affairs at the Bangalore centre].
4. Member of Government of Karnataka committee to conduct serial cross-sectional sero surveys in the state to assess COVID-19 burden.