

Curriculum Vitae

Name : Shrikrishna G. Dani
Affiliation : School of Mathematics
Tata Institute of Fundamental Research
Homi Bhabha Road
Mumbai (Bombay) 400 005
Designation : Senior Professor (I)
Date of Birth : 3 June 1947
Place of Birth : Belgaum, India
Education : M.Sc. (Univ. of Bombay, 1969)
Ph.D. (Univ. of Bombay, 1975)
Research : Contributions made to Ergodic theory, Dynamics,
Lie groups, Diophantine approximation, and Probability
measures on groups; (around 90 papers).
Guidance : Nine Ph.D. Theses and one M.Phil. Thesis guided.

Awards and Distinctions:

TWAS Prize in Mathematics for 2007, awarded by the TWAS, the Academy of Sciences for the Developing World.

Invited speaker, International Congress of Mathematicians, Zurich, 1994.

President of the Commission for Development and Exchange (CDE) of the International Mathematical Union, for 2007-2010.

Shanti Swarup Bhatnagar Prize for Mathematical Sciences (1990).

Fellow of the Indian Academy of Sciences, since 1986; Member of the Council of the Academy, during 1998-2000.

Fellow of the Indian National Science Academy, since 1990. Currently, Member of the Council of INSA, since January 2006.

Fellow of the National Academy of Sciences (India), since 1995.

Young Scientist Award of INSA, 1976.

Publication related involvements and activities:

Currently, Member of the Editorial Boards of

Journal of Theoretical Probability, since 1999;

Monatshefte für Mathematik, since 2002;

Proceedings of the Indian Academy of Sciences (Math. Sci.), since 2000; and

Sankhya, Ser. A, since 2008.

Formerly, Editor, Proceedings of the Indian Academy of Sciences (Math. Sci.), during 1987 - 1999.

Member, Editorial Board, of

Ergodic Theory and Dynamical Systems (1991-95);

Differential Equations and Dynamical Systems (1994-99); and

Current Science (1998-2007).

Edited the Proceedings of the International Colloquium on “Lie Groups and Ergodic Theory”, Mumbai, 1996; Narosa Publishing House, New Delhi, 1998; (International distribution by American Mathematical Society).

Co-edited the special issue of *Sankhya*, October 2000, comprising of papers contributed by participants of the International Conference on “Ergodic Theory and Harmonic Analysis”, Mumbai, 1999, in honour of Prof. M.G. Nadkarni.

Co-edited, jointly with Prof. Gopal Prasad, the Proceedings of the International Conference on “Algebraic Groups and Arithmetic”, Mumbai, 2001, in honour of Prof. M.S. Raghunathan; Narosa Publishing House, New Delhi, 2004; (International distribution by American Mathematical Society).

Co-edited, jointly with Prof. P. Graczyk, the Proceedings of the CIMPA-TIFR School on “Probability Measures on Groups; Recent Trends and Directions”, Mumbai, 2002; Narosa Publishing House, New Delhi, 2006; (International distribution by American Mathematical Society).

Co-edited, jointly with Professors R. Balasubramanian, P. Gruber and R.J. Hans-Gill, the Proceedings of the International Conference in honour of the 80 th birthday of Prof. R.P. Bambah, Chandigarh, 2006; Ramanujan Mathematical Society (to appear).

Advisory/Administrative (long term) responsibilities:

Chair, National Board for Higher Mathematics (India), since November 2006;
Member of the Board since 1996.

Member, Commission for Development and Exchange, of the International
Mathematical Union, from 2003.

Member, Developing Countries Strategy Group, of the International Mathe-
matical Union, from 2004.

Member of the Indian delegation to the General Assembly of the International
Mathematical Union, held at Santiago de Compostela, Spain, 19-20 August 2006.

Vice Chairman, Executive Organising Committee for organisation of the In-
ternational Congress of Mathematicians, ICM 2010.

Member, Executive Council of the Indian Society for History of Mathematics,
from 2004.

Member, Governing Council, Institute of Mathematics and Applications,
Bhu-baneswar (as Chairman, NBHM), since November 2006.

Member, Academic Advisory Committee, Bhaskaracharya Pratishthana, Pune,
since December 2006.

Member, Academic Council, Chennai Mathematical Institute (Deemed Uni-
versity), Chennai.

Member, Board of Governors, Indian Institute of Science Education and Re-
search, Mohali.

Member, Governing Council, C.R. Rao Advanced Institute for Mathematics,
Statistics and Computer Science, Hyderabad.

Member, Programme Advisory Committee, Department of Science and Tech-
nology, June 2007 -

Member, TIFR Women's Cell, September 2005 -

Convener, Mathematics Subject Board, TIFR Deemed University, 2003-06.

Member, National Committee of the International Mathematical Union, dur-
ing 1995-98.

Dean, Mathematics Faculty, September 1994 - September 1997.

Member, Institute's Committee on Administration, Oct. 1997 - March 2001.

Served also on various other committees in the Institute.

Organisational activities:

Organised a three-week Summer School in Ergodic Theory at TIFR, Mumbai, jointly with Professor M.G. Nadkarni, under the sponsorship of the National Board of Higher Mathematics, in June 1988.

Chaired the Organising Committee and took active part in organising the International Colloquium, at TIFR, Mumbai, on Lie Groups and Ergodic Theory, 4 - 12 January 1996.

Took active part, as member of the Organising Committee, in organising a conference on Ergodic Theory and Harmonic Analysis, at the University of Mumbai, during 17 - 22 January 1999.

Served as Member, Organising Committee, for the EuroWorkshop on Rigidity in Dynamics and Geometry, at the Isaac Newton Institute, Cambridge, during 27-31 March 2000.

Served as Convener, Organising Committee, for the conference on Algebraic Groups and Arithmetic held at TIFR, Mumbai, during 17-22, December 2001.

Organised, jointly with P. Graczyk and Y. Guivarc'h, a joint CIMPA-TIFR School on Probability Measures on Groups, at TIFR, Mumbai during 9-22 September 2002.

Involved in the organisation of the International Congress of Mathematicians (ICM) of 2010, to be held at Hyderabad, India, as a member of the Local Organising Committee.

Visiting Appointments: held at

- The Institute of Advanced Study, Princeton (1976-77 and 1983-84);
- Yale University, New Haven (1977-78);
- University of California, Berkeley (Spring 1982);
- University of Erlangen-Nürnberg, Erlangen (Autumn 1985);
- Sonderforschungsbereich - 170, Geometrie und Analysis, Göttingen (1990-91 and also, previously, summer 1986);
- Mathematical Sciences Research Institute, Berkeley (Sept. 1991 - Feb. 1992);
- University of Chicago (March - June 1992, and October - November 2000);
- University of Warwick, Coventry (April - May 1994);

Mathematics Institute, University of Rennes, France (July 1997, June - July 2000, September 2001, and May-June 2003);

Isaac Newton Institute, University of Cambridge, UK (March - May 2000);

Institut de Mathématiques de Luminy, Marseille (16 January - 15 February, 2001, June 2005 and June 2007);

Erwin Schrödinger Institute, Vienna (22 March - 31 August, 2001, and 28 March - 12 July 2002).

University of Manchester, England, (October-November, 2004)

University of Newcastle, Australia (27 October - 26 November, 2005).

Other Academic Visits Abroad:

Visited Max-Planck-Institute, Bonn, Steklov Institute, Moscow, University of Geneva, Geneva, ICTP, Trieste, Ecole Polytechnique, Paris, on Research and Lecture Projects.

Participated and gave talks in **international conferences** at Oberwolfach (Germany; 1978, 1985, 1990), Durham (NH, USA; 1982), Guanajuato (Mexico; 1983), Berkeley (CA, USA; 1984, 1992), Warsaw (Poland; 1986), York (UK; 1987), Alma Ata (former USSR; 1989), Palermo (Italy, 1990), Coventry (UK; 1994, 2000), Trieste (Italy; 1996), Dinard (France; 1997 : in honour of Y. Guivarch), Cambridge (UK; 2000), Luminy (France; 2001), Jerusalem and Beer Sheva (Israel; 2003 : in honour of H. Furstenberg), Banff (Canada; 2005), Yale University, New Haven (U.S.A.; February 2006 : in honour of G.A. Margulis).

Delivered **invited lectures** at several universities in USA, Canada, Mexico, UK, France, Germany, Austria, Italy, Switzerland, (former) USSR, Poland, Hungary, Israel and Australia.

Lecture courses and talks in India, outside TIFR:

Gave a two semester M. Phil. course on Analysis at the University of Bombay, 1984-85.

Gave lecture courses (of durations between three weeks to three months) on advanced topics, at

Indian Statistical Institute, Calcutta, (Oct.- Nov. 1979),

Punjab University, Chandigarh, (March - May 1983 and Dec. 1993),

Ramanujan Institute, Madras, (April 1986),
Indian Statistical Institute, Bangalore, (1989).

Gave one-week courses at University of Jabalpur (February 1997), and University of Pune (August 1998).

Gave talks at numerous institutions and in numerous conferences in India, over the years.