

## CURRICULUM VITAE

1. *Name:* Soumitro Banerjee
2. *Present Position:* Professor
3. *Official Address:* Department of Physical Sciences  
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4. *Home address:* B7 / 170 Kalyani, Dist. Nadia, WB 741235  
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5. *Date of birth:* 17 October 1960
6. *Awards and Honours:*

**Fellow of the National Academy of Sciences, India (NASI) (2014)**

**Fellow of the IEEE (2013)**

**Fellow of The World Academy of Sciences (TWAS) (2012)**

**Fellow of the West Bengal Academy of Science & Technology (WBAST) (2011)**

**Fellow of the Indian National Science Academy (INSA) (2007)**

**Fellow of the Indian Academy of Sciences, Bangalore (IASc) (2005)**

**Fellow of the Indian National Academy of Engineering (INAE) (2004)**

**Citation Laureate Award, 2004** : Identified as a “highly cited researcher” by Thomson Scientific

**Shanti Swarup Bhatnagar Prize (2003)**

**Boyscast Fellowship, 1996** : Awarded by the Department of Science & Technology, Govt. of India for pursuing collaborative research at the University of Maryland.

7. *Educational Qualification:*

- Degree: Bachelor of Engineering  
Year: 1981  
University: University of Calcutta  
College: Bengal Engineering College  
Subject: Electrical Engineering

- Degree: Master of Technology  
Year: 1983  
Institution: Indian Institute of Technology, Delhi  
Subject: Energy Studies
- Degree: Doctor of Philosophy  
Year: 1988  
Institution: Indian Institute of Technology, Delhi  
Title: Magnetic Energy Storage Units for Improvement of Power System Stability.

8. *Employment:*

- Post: Lecturer  
Employer: Indian Institute of Technology, Kharagpur  
Period of employment: December 1985 to July 1990
- Post: Assistant Professor  
Employer: Indian Institute of Technology, Kharagpur  
Period of employment: July 1990 to February 1998
- Post: Associate Professor  
Employer: Indian Institute of Technology, Kharagpur  
Period of employment: February 1998 to May 2003
- Post: Professor  
Employer: Indian Institute of Technology, Kharagpur  
Period of employment: June 2003 to April 2009
- Post: Professor  
Employer: Indian Institute of Science Education & Research–Kolkata  
Period of employment: May 2009 to present

9. *Sponsored projects executed:*

- “Design and development of a computerized Braille library system for the blind”, sponsor: DST, period: December 1993 to December 1995, value: Rs. 2.38 Lakhs.
- “Control of chaos in power electronic circuits”, sponsor: DST, period: April 1995 to April 1998, value: Rs. 8.75 Lakhs.
- “Development of the theory of nonsmooth bifurcations in hybrid dynamical systems,” Sponsor: BRNS, period: July 2003 to June 2006, value: Rs. 7.23 Lakhs.
- “Application of Chaos in dc-dc converters for reduction of EMI” Sponsor: ISRO, period: November 2005 to March 2009, value: Rs. 8.60 Lakhs.
- “Investigations into the character of parameter space of piecewise smooth systems” Sponsor: DST-DAAD, period: June 2009 to May 2011, value: Rs. 4.20 Lakhs.

10. *Field of Specialization:* Nonlinear Dynamics

11. *Areas of interest:*

- Bifurcations in nonsmooth dynamical systems
- Nonlinear phenomena in power electronic circuits

12. Extra-Institutional Services:

- Associate Editor, IEEE Transactions on Circuits & Systems (part-II), 2003 to 2005
- Associate Editor, IEEE Transactions on Circuits & Systems (part-I), 2006 to 2007.
- Associate Editor, IEEE Circuits & Systems Society Newsletter, 2010 to date
- Editor in Chief, *Prakriti* (Bengali popular science magazine), 2006 to date
- Member, Editorial Board, Breakthrough (English popular science magazine), 1986 to date.
- Member, Engineering Sciences Research Committee, CSIR, 2009 to 2011.
- Member, Sectional Committee on Electrical Engineering, INAE, 2005 to 2007.
- Member, Sectional Committee on Engineering Sciences, IASc, 2010 to 2012.
- Member, Sectional Committee on Engineering Sciences, INSA, 2012 to 2014.
- Member, Sectional Committee on Electrical Engineering, INAE, 2013 to date.
- Member, Programme Advisory Committee in Electrical, Electronic and Computer Engineering, DST, 2012 to date.
- Member, Screening Committee (Engineering & Technology) for Inspire Faculty Fellowship Award, 2012 to date.
- Director, Board of Members, West bengal Renewable Energy Development Agency (WBREDA), 2013 to date.

13. Ph.D. students guided:

- (a) Krishnendu Chakrabarty
- (b) Sukanya Parui
- (c) Somnath Maity
- (d) V. N. Madansure
- (e) Partha Sharathi Dutta
- (f) Soma De
- (g) Biswambhar Rakshit
- (h) Santanu Kapat
- (i) Rupam Mukherjee
- (j) Kuntal Mandal

14. Conferences organized:

- (a) Organizer, Workshop and Symposium on Mathematical Ecology, December 7-14, 2010, IISER-Kolkata
- (b) Member, Local Organizing Committee, 2nd International Symposium On Complex Dynamical Systems and Applications, Presidency University, Kolkata, India. January 9-11, 2012
- (c) Member, National Organizing Committee, Conference on Nonlinear Systems & Dynamics (Annual event, started in 2006 at IIT Kharagpur) .

15. Invited Lectures:

- International workshops:
  - (a) International Workshop on Piecewise Smooth Dynamical Systems (Bristol, 2004)
  - (b) First International Workshop on Complex Systems and Networks (Hong Kong, 2005)
  - (c) Second International Workshop on Complex Systems and Networks (Vancouver, 2006).
  - (d) International Workshop on Resonance Oscillations and Stability of Nonsmooth Systems (Imperial College London, 16-25 June, 2008,)
  - (e) International Workshop on Nonlinear Maps and their Applications (NOMA'09) (Urbino, Italy, 10-11 September 2009).
  - (f) International Workshop on Nonlinear Maps and their Applications (NOMA'11) (Evora, Portugal, 15-16 September 2011).
  - (g) 6th SICCC International Tutorial Workshop on "Nonlinear Dynamics of Piecewise Smooth Dynamical Systems" 21-23 September 2011, University of Urbino, Urbino, Italy.
- University/Institution-level events:
  - (a) University of Surrey, UK (February 1996),
  - (b) University of Maryland, College Park, USA (April 1996)
  - (c) MIT, Cambridge, USA (May 1996)
  - (d) University of Potsdam, Germany (June 1996)
  - (e) Technical University of Dresden, Germany (July 2001)
  - (f) Höhere Technische Bundeslehranstalt Salzburg, Austria (July 2001)
  - (g) University of Pennsylvania, Philadelphia (June 2002)
  - (h) University of Illinois at Chicago (June 2002)
  - (i) University of Illinois at Urbana-Champaign (June 2002)
  - (j) North-Eastern University, Boston (June 2002)
  - (k) University of Surrey, UK (Sept. 2004)
  - (l) Imperial College, London (Sept. 2004)
  - (m) University of Tokushima, Japan (June 2005)

- (n) Hosei University, Tokyo, Japan (June 2005)
- (o) University of Aberdeen, UK (September 2005)
- (p) University of Newcastle upon Tyne, UK (June 2006)
- (q) University of Aberdeen, UK (June 2007)
- (r) Beijing University of Aeronautics & Astronautics (July 2007)
- (s) University of Wisconsin, Madison, USA (May 2008)
- (t) University of Illinois at Urbana-Champaign, USA (May 2008)
- (u) North Eastern University, Boston, USA (May 2008)
- (v) University of Maryland, College Park, USA (June 2008)
- (w) University of Stuttgart, Germany (June 2008)
- (x) University of Newcastle upon Tyne, UK (June 2008)
- (y) University of Urbino, Italy, (Sept. 2009)
- (z) University of Colorado, Boulder, USA (May 2013)