Curriculum Vitae (2015)

Name	:	Spenta R. Wadia
Date of Birth	:	1 August 1950
Institution	:	International Centre for Theoretical Sciences (ICTS-TIFR) Shivakote, Hesaraghatta Bangalore 560089, India
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Education:

- St. Mary's High School, Bombay, 1967
- Bachelor of Science, St. Xavier's College, University of Bombay, 1971
- Master of Science, Indian Institute of Technology, Kanpur, 1973
- Doctor of Philosophy, City University of New York, 1978

Appointments:

- Aug. 2015 – Emeritus Professor and Founding Director, International Centre for Theoretical Sciences (ICTS-TIFR), Tata Institute of Fundamental Research, Bangalore, India
- Oct. 2007 – July 2015: Director, International Centre for Theoretical Sciences (ICTS-TIFR), Tata Institute of Fundamental Research, Bangalore, India
- Aug. 2008 – July 2015: Distinguished Professor, Tata Institute of Fundamental Research, India
- Sept. 2003 – Dec. 2004: Member, Theory Division, CERN, Geneva
- Aug. 2002 – Aug 2008: Senior Professor, Tata Institute of Fundamental Research, India
- June 1996 – May 2001: Staff Associate, ICTP- Trieste, Italy
- Sept. 1996 – Dec. 1997: Member, Theory Division, CERN, Geneva

- Aug. 1995 – Aug 2002: Professor, Tata Institute of Fundamental Research, India
- Sept. 1990 – Jan. 1992: Member, Institute for Advanced Study, Princeton, USA
- Aug. 1990 – Aug 1995: Associate Professor, Tata Institute of Fundamental Research, India
- Sept. 1986 – Apr. 1990: Reader, Tata Institute of Fundamental Research, India
- Jan. 1984 – April 1984: Visiting Scientist, KEK, National Laboratory for High Energy Physics, Tsukuba, Japan
- Oct. 1982 – Aug. 1986: Fellow, Tata Institute of Fundamental Research, India
- Aug. 1980 – May 1982: Staff Scientist, University of Chicago, USA

Awards:

- AIRBUS Corporate Foundation Teaching and Research Chair: "Mathematics of Complex Systems", at ICTS-TIFR, 2013-2016
- TWAS (The World Academy of Sciences, Trieste, Italy) Physics Prize, 2004
- Steven Weinberg Prize of ICTP (International Center for Theoretical Physics, Trieste, Italy) 1995
- J. C. Bose National Fellow, Dept of Science and Technology, Govt of India 2006-2011; 2011-
- Raja Ramanna Lecture in Physics, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, 2011
- Distinguished Alumnus, St. Xavier's College, Bombay University, 2009

Academy Fellowships:

- Fellow, TWAS (Academy of Sciences of the Developing World), elected 2006
- Fellow, National Academy of Sciences, Allahabad, India, elected 2000
- Fellow, New York Academy of Sciences, New York, USA, elected 1997
- Fellow, Indian National Science Academy, Delhi, India, elected 1997
- Fellow, Indian Academy of Sciences, Bangalore, India, elected 1992

Membership of Professional Bodies :

- Editor, Asian Journal of Mathematics, International Press, 2015-
- Council Service, Indian Academy of Sciences, Bangalore 2013-
- Editor, European Journal of Physics C 2012- 2015
- Member, Science Council of Asia Pacific Centre for Theoretical Physics (APCTP), S. Korea, 2010-
- Member Advisory Board, Asia Pacific Mathematics Newsletter, World Scientific, 2010-
- Program Advisory Committee, IAS Nanyang Technological University, Singapore 2009-
- Member, Commission on Mathematical Physics (C-18), International Union of Pure and Applied Physics (IUPAP), 1997-1999 and 1999-2002

Honorary Positions:

- Staff Associate, Abdus Salam International Centre for Theoretical Physics, Trieste, Italy , 1996-2001
- Fellow, Japan Society for the Promotion of Science (JSPS) 1996

Sabbatical Leave from TIFR:

- Institute for Advanced Study, Princeton, New Jersey, USA, 1991-92
- Theory Division, CERN, Geneva, Switzerland, 1996-97

Long Term Visiting Positions:

1. Harvard University, Jefferson Laboratory of Physics, 2013
2. Isaac Newton Institute for Mathematical Sciences, University of Cambridge, 2012
3. Solvay Institute, Brussels , 2011
4. University of Rome, Tor Vergatta, 2004
5. Autonoama University of Madrid, 2004
6. Isaac Newton Institute for Mathematical Sciences, University of Cambridge, 2002
7. Harvard University, Jefferson Laboratory of Physics, 2001

8. Institute for Theoretical Physics, University of California, Santa Barbara, 2001, 2003
9. Stanford University, Department of Physics, 1998
10. JSPS Fellow, University of Tokyo and Yukawa Institute for Theoretical Physics, Kyoto, 1996
11. Theory Division, CERN, Geneva, 1993
12. Mathematical Sciences Research Institute, University of California, Berkeley, 1991
13. Laboratoire de Physique Theorique, Ecole Normale Superieure, France, 1989
14. Niels Bohr Institute, Copenhagen, Denmark, 1988
15. KEK, National Laboratory for High Energy Physics, Tsukuba, Japan, 1984

Selected Lectures 2015-2000:

- **String Theory and the Hidden Structure of Spacetime**, TeDX talk at St Xavier's College, Mumbai, 8 February 2015
- **The End of Space-Time and Beyond**, IIT-Bombay, Foundation Day Lecture, 10 March 2014.
- **Fermion-Boson Duality in 2+1 dim large N Gauge Theories**, 1st Symposium of Institute of Basic Science, Seoul, S. Korea, 23 January 2014
- **Level-Rank Duality in Chern-Simons + (Vector) Matter CFT in the Large N limit**, Great Lakes Meeting, USA, 17 May 2013.
- **Raja Ramanna Lecture in Physics: Solving Quantum Field Theory using Black Holes in one higher dimension**, JNCASR, 30 September 2012
- **Solving Chern-Simons Theory with Vector Matter** Isaac Newton Institute, University of Cambridge, May 2012
- **Development of Research in India: Broad Framework, National Policy**, Dialogue on Research Excellence Framework, Planning Commission, Govt of India February 2012
- **Space-time Structure, Black Holes and Holography**, Public Lecture, QFT 2011, IISER Pune, 23 February 2011
- **Science in Asia Panel Talk**, ICTP after 45 years, ICTP, Trieste, Italy, 9 Nov. 2010.

- **Fluctuating Black Hole Horizons and Applications to Strongly Coupled Systems**. TWAS 2010, Hyderabad, 19 Oct. 2010
- **Gauge/Gravity Duality and Some Applications**, Conference in Honor of Murray Gell-Mann's 80th Birthday, Nanyang Technical University, Singapore, 25 Feb. 2010
- **IIT Kanpur Golden Jubilee Subramanyan Chandrasekhar Lecture: The Maldacena Duality Conjecture and Applications**, Indian Institute of Technology, Kanpur, 30 January 2010
- **Real Time Dynamics of D1-D5 System from AdS/CFT Correspondence**, 30 Years of Mathematical Methods in High Energy Physics, Kyoto University, Japan, March 2008
- **Blackhole-String Crossover in $AdS_5 \times S^5$, Thermal Gauge Theory**, Gravitational Aspects of Strings and Branes, Granada, Spain, June 2007
- **Thermal Gauge Theory and the Blackhole-String Transition**, Yoneya Fest, Univ. of Tokyo, Feb. 2007
- **Blackhole - String Transition, AdS/CFT Correspondence and Unitary Matrix Models**, Batsheva de Rothschild Seminar on Innovative Aspects of String Theory, Ein-Boqeq, Dead Sea, Israel, March 2006
- **Black Holes as Beacons in the Dark Alleys of Quantum Gravity**, TWAS Physics Prize lecture, TWAS 9th General Conference, Alexandria, Egypt, Dec. 2005
- **Blackholes as Beacons of Quantum Gravity** "Physics 2005 : 100 Years after Einstein's Revolution", IIT Kanpur, Nov. 2005
- **C. V. Raman Lecture: Space, Time and Strings**, Indian Physics Association, Sept. 2005.
- **What can we learn about blackholes from string theory?** Inauguration Conference of CQUEST (Centre for Quantum Spacetime), Seoul, S. Korea, Oct. 2005
- **The small Schwarzschild Black Hole of AdS_5 and Unitary Matrix Models**, 3rd Regional Conference on String Theory, Crete, Greece, June 2005
- **Tachyon condensation in 2-dim. string theory**, 'Bunji Sakita Memorial Symposium ', University of Tokyo, Japan, Nov. 2003
- Survey Talk on **String Theory and Gauge Theories**, String Workshop at Harishchandra Research Institute, December 2002
- **The Semi-Classical Method and AdS-CFT**, Isaac Newton Institute M-Theory Workshop, University of Cambridge, May 2002

- **Matrix Model, Non-Commutative Gauge Theory and Tachyon Condensation**, M-Theory Program, Institute for Theoretical Physics, University of California at Santa Barbara, March 2001

- **Status of the Microscopic Modelling of Blackholes by D1/D5 System**, 9th Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories (MG 9), Rome, Italy, July 2000