




## Plenary Lectures

The Plenary lectures to be delivered by distinguished mathematicians at the annual Conference of the Society were started from the Centenary Year 2007 of the foundation of the Society.

The details of the Plenary Lectures organized so far are as follows:

Sr. No.	Year	Title, Speaker, IMS Conference	Photo
1	2007	<p><b>Title:</b> HOMOGENIZATION</p> <p><b>Speaker:</b> Srinivasa Varadhan, Abel Prize Awardee (Courant Institute, USA)</p> <p><b>IMS Conference:</b> The Centenary year 73rd IMS Conference, University of Pune, Pune-411 007.</p>	
2	2007	<p><b>Title:</b> THE PAST, PRESENT AND FUTURE OF MATHEMATICS IN CHINA AND INDIA</p> <p><b>Speaker:</b> S. T. Yau, Fields Medalist (Harvard University, USA)</p> <p><b>IMS Conference:</b> The Centenary year 73rd IMS Conference, University of Pune, Pune-411 007.</p>	
3	2007	<p><b>Title:</b> SURGERED RICCI FLOW</p> <p><b>Speaker:</b> Richard Hamilton, Clay Award winner (California University, USA)</p> <p><b>IMS Conference:</b> The Centenary year 73rd IMS Conference, University of Pune, Pune-411 007.</p>	

4	2007	<p><b>Title:</b> (LECTURE COULD NOT BE DELIVERED)</p> <p><b>Speaker:</b> M. S. Raghunathan, FRS. (T I F R, Mumbai-400 005, Maharashtra.)</p> <p><b>IMS Conference:</b> The Centenary year 73rd IMS Conference, University of Pune, Pune-411 007</p>	
5	2008	<p><b>Title:</b> MODULI AND MONODROMY</p> <p><b>Speaker</b> C.S.Seshadri, FRS (C M I, Chennai-603 103, Tamilnadu.)</p> <p><b>IMS Conference:</b> 74th IMS Conference, University of Allahabad, Allahabad-211 002.</p>	
6	2008	<p><b>Title:</b> TRANSCENDENTAL NUMBERS AND ZETA FUNCTIONS</p> <p><b>Speaker:</b> M. Ram Murthy, FRSC. (Queens University, Canada)</p> <p><b>IMS Conference:</b> 74th IMS Conference, University of Allahabad, Allahabad-211 002.</p>	
7	2008	<p><b>Title:</b> ON SOME LARGE SUBSETS OF EUCLIDIAN SPACES INVOLVED IN GEOMETRY, DYNAMICS AND DIOPHANTINE APPROXIMATION</p> <p><b>Speaker:</b> S. G. Dani, (T I F R, Mumbai, Maharashtra.)</p> <p><b>IMS Conference:</b> 74th IMS Conference, University of Allahabad, Allahabad-211 002.</p>	

8	2009	<p><b>Title:</b> ALGEBRAIC GEOMETRY AND ANALYSIS (COULD NOT BE DELIVERED)</p> <p><b>Speaker:</b> M. S. Narasimhan, FRS, (T I F R, Mumbai, Maharashtra.)</p> <p><b>IMS Conference :</b> 75th IMS Conference, Kalasalingam University, Anand Nagar, Krishnankoil - 626190, Srivilliputtur, Dist. Virudunagar.</p>	
9	2009	<p><b>Title:</b> ADDITIVE COMBINATORICS</p> <p><b>Speaker:</b> R. Balasubramanian (IMSc, Chennai, Tamilnadu.)</p> <p><b>IMS Conference:</b> 75th IMS Conference, Kalasalingam University, Anand Nagar, Krishnankoil, 626190, (Via) Srivilliputtur, Dist. Virudunagar.</p>	
10	2010	<p><b>Title:</b> ALGEBRAIC GEOMETRY AND ANALYSIS</p> <p><b>Speaker:</b> M. S. Narasimhan, FRS, (IISc, Bangalore-560 012)</p> <p><b>IMS Conference:</b> 76th IMS Conference, Saradar Vallabhbai National Institute of Technology (SVNIT), Surat-395 007.</p>	
11	2011	<p><b>Title:</b> F - CONJUGACY</p> <p><b>Speaker:</b> Ravi Kulkarni (IIT Bombay, Powai, Mumbai-400 076.)</p> <p><b>IMS Conference:</b> 77th IMS Conference, Swami Ramanand Teerth Marathwada University (SRTM University), Vishnupuri, Nanded-431 606.</p>	

12	2011	<p><b>Title:</b> TRACE FORMS</p> <p><b>Speaker:</b> Raman Parimala (Emory University, USA)</p> <p><b>IMS Conference:</b> 77th IMS Conference, Swami Ramanand Teerth Marathwada University (SRTM University), Vishnupuri, Nanded-431 606.</p>	
13	2011	<p><b>Title:</b> - (COULD NOT BE DELIVERED)</p> <p><b>Speaker:</b> Dinesh Singh (Delhi University, New Delhi-110 007.)</p> <p><b>IMS Conference:</b> 77th IMS Conference, Swami Ramanand Teerth Marathwada University (SRTM University), Vishnupuri, Nanded-431 606.</p>	
14	2012	<p><b>Title:</b> APPLICATIONS OF NUMBER THEORY TO GEOMETRY</p> <p><b>Speaker:</b> Gopal Prasad (University of Michigan, USA)</p> <p><b>IMS Conference:</b> 78th IMS Conference, Banaras Hindu University, Varanasi-221 005.</p>	
15	2012	<p><b>Title:</b> THE BLOCH-BEILINSON CONJECTURES</p> <p><b>Speaker:</b> V. Srinivas (TIFR, Mumbai-400 005, Maharashtra.)</p> <p><b>IMS Conference:</b> 78th IMS Conference, Banaras Hindu University (BHU), Varanasi-221 005.</p>	

16	2013	<p><b>Title:</b> RAMANUJAN AND THE ZETA FUNCTION</p> <p><b>Speaker:</b> M. Ram Murty, FRSC, (Queens University, Canada)</p> <p><b>IMS Conference:</b> 79th IMS Conference, Rajagiri School of Eng. and Tech. (RSET), Rajagiri Valley, Rajagiri P. O., Kakkanad, Cochin - 682 039.</p>	
17	2014	<p><b>Title:</b> THE REMARRIAGE OF MATHEMATICS AND PHYSICS</p> <p><b>Speaker:</b> Rajesh Gopakumar (HRI, Chhatnag Road, Jhansi, Prayagraj (Allahabad)-211 019)</p> <p><b>IMS Conference:</b> 80th IMS Conference. Indian School of Mines, Dhanbad-826 004, Jharkhand.</p>	
18	2015	<p><b>Title:</b> COMPLETE INTERSECTION POINTS ON AFFINE VARIETIES AND 0-CYCLES</p> <p><b>Speaker:</b> V. Srinivas (TIFR, Mumbai-400 005)</p> <p><b>IMS Conference:</b> 81st IMS Conference, Visvesvaraya National Institute of Technology (VNIT), Nagpur-440 010.</p>	
19	2016	<p><b>Title:</b> FOURIER SERIES: MYTHS, FACTS AND APPLICATIONS</p> <p><b>Speaker:</b> Hrushikesh Mhaskar (Claremont Graduate, University, Claremont, USA)</p> <p><b>IMS Conference:</b> 82nd IMS Conference, University of Kalyani, Kalyani-741 235.</p>	

20	2017	<p><b>Title:</b> RANGES OF FUNCTORS IN ALGEBRA</p> <p><b>Speaker:</b> Friedrich Wehrung (LMNO, CNRS UMR 6139, Dept. de Maths, BP 5186, Universite de Caen, Campus 2, 14032 Caen cedex, France)</p> <p><b>IMS Conference:</b> 83rd IMS Conference, Sri Venkateswara University, Tirupati-517 502.</p>	
21	2018	<p><b>Title:</b> CALCULUS OF VARIATIONS AND APPLICATIONS</p> <p><b>Speaker:</b> M. Vanninathan (Dept. of Mathematics, IIT Bombay, Powai, Mumbai-400 076)</p> <p><b>IMS Conference:</b> 84th IMS Conference, Sri Mata Vaishnodevi University, Katra-182 320.</p>	
22	2018	<p><b>Title:</b> RESOLUTION OF SINGULARITIES AND LOCAL UNIFORMIZATION</p> <p><b>Speaker:</b> Steven Dale Cutkosky (University of Missouri, Columbia, Missouri, USA)</p> <p><b>IMS Conference:</b> 84th IMS Conference, Sri Mata Vaishnodevi University, Katra-182 320</p>	
23	2019	<p><b>Title:</b> A PRODUCT FORMULA FOR HOMOGENEOUS CHARACTERISTIC FUNCTIONS</p> <p><b>Speaker:</b> Gadadhar Misra (IISc. Bangalore, Bangaluru-560 012..)</p> <p><b>IMS Conference:</b> 85th IMS Conference, I I T Kharagpur, Kharagpur-721 302)</p>	

24	2020	<p><b>Title:</b> SOME MAJOR INDIAN CONTRIBUTIONS TO MATHEMATICS IN THE 20TH CENTURY</p> <p><b>Speaker:</b> M. S. Raghunathan (Centre for Excellence in Basic Sciences (CEBS), University Complex, Vidyanagari, Mumbai-400m 098).</p> <p><b>IMS Conference:</b> 86th IMS Conference, V I T Vellore, Velloe-600 113.</p>	
25	2020	<p><b>Title:</b> TOEPLITZ OPERATORS AND HILBERT MODULUS ON BOUNDED SYMMETRIC DOMAINS</p> <p><b>Speaker:</b> Harald Upmeyer (University of Marbug, Germany)</p> <p><b>IMS Conference:</b> 86th IMS Conference, V I T Vellore, Velloe-600 113.</p>	
26	2021	<p><b>Title:</b> MULTIVARIATE LIDSTONE INTERPOLATION</p> <p><b>Speaker:</b> Michel Waldschmidt (Sorbonne University, France)</p> <p><b>IMS Conference:</b> 87th IMS Conference, M G M University, Aurangabad.</p>	
27	2021	<p><b>Title:</b> DEEP LEARNING FOR PDEs</p> <p><b>Speaker:</b> Siddhartha Mishra (ETH AI Centre, Zurich).</p> <p><b>IMS Conference:</b> 87th IMS Conference, M G M University, Aurangabad.</p>	
28	2022	<p><b>Title:</b> SUTRA : A model for COVID 19 Pandemic</p> <p><b>Speaker:</b> Manindra Agarwal (IIT Kanpur).</p> <p><b>IMS Conference:</b> 88th IMS Conference, BIT Mesra, Ranchi - 835215</p>	

29	2022	<p><b>Title:</b> Prescribing the spectra of locally uniform geometries</p> <p><b>Speaker:</b> Peter Sarnak (Institute of Advanced Study, Princeton, USA ).</p> <p><b>IMS Conference:</b> 88th IMS Conference, BIT Mesra, Ranchi - 835215</p>	
30	2022	<p><b>Title:</b> Constructive and non-constructive subalgebra</p> <p><b>Speaker:</b> Noga Alon (Princeton University, USA).</p> <p><b>IMS Conference:</b> 88th IMS Conference, BIT Mesra, Ranchi - 835215</p>	
31	2023	<p><b>Title:</b> Integers expressible as sum of two rational cubes</p> <p><b>Speaker:</b> Manjul Bhargava (Princeton University, USA)</p> <p><b>IMS Conference:</b> 89th IMS Conference, BITS Pilani, Hyderabad Campus, Hyderabad</p>	
32	2023	<p><b>Title:</b> Using mathematical modelling to understand how the microenvironment influence cell behaviour in cancer and atherosclerosis</p> <p><b>Speaker:</b> Helen Byrne (Oxford University, UK)</p> <p><b>IMS Conference:</b> 89th IMS Conference, BITS Pilani, Hyderabad Campus, Hyderabad</p>	

33	2024	<p><b>Title:</b> Canonical metrics on holomorphic bundles</p> <p><b>Speaker:</b> Shing-Tung Yau, Director, YMSC of Tsinghua University, China</p> <p><b>IMS Conference:</b> 90th IMS Conference, MIT-World Peace University, Pune</p>	 A portrait of Shing-Tung Yau, an elderly man with short grey hair, wearing a dark suit, a blue and white striped tie, and glasses. He is resting his chin on his hand.
34	2024	<p><b>Title:</b> Hurwitz numbers, Hurwitz covers, and the moduli space of curves</p> <p><b>Speaker:</b> Pandharipande Rahul, Department of Mathematics, ETH Z'urich</p> <p><b>IMS Conference:</b> 90th IMS Conference, MIT-World Peace University, Pune</p>	 A portrait of Pandharipande Rahul, a man with short grey hair and glasses, wearing a blue suit, a white shirt, and a patterned tie. He is smiling.