

**Padmashri Dr. Baldev Raj, Former President of the Indian Institute of Metals (IIM), was born on 9<sup>th</sup> April 1947. He was the Director of National Institute of Advanced Studies, Bengaluru; President-Research, PSG Institutions, Coimbatore; and Distinguished Scientist & Director of Indira Gandhi Centre for Atomic Research, DAE, Kalpakkam. Dr. Baldev Raj was well known internationally for his outstanding contributions towards energy policy, advanced materials, manufacturing processes, and characterization of materials. He has occupied several important and prestigious positions in national and international bodies including the President of IIM, IIW & INAE, and has been decorated with prestigious national & international honours.**

**Dr. Baldev Raj passed away at Pune on January 06, 2018. IIM has instituted a Lecture Series in memory of Dr. Baldev Raj for the outstanding contributions made by him to the IIM and the nation. The six lectures so far have been delivered by Dr. P. Rama Rao at NIAS, Bengaluru; Dr. R. Chidambaram via online; Dr. B.N. Suresh via online; Dr. Anil Kakodkar at IGCAR, Kalpakkam; Dr. Sanak Mishra at PSG College of Technology, Coimbatore; and, Dr. Madhavan Nair at NIIST, Trivandrum in 2024.**



**The Indian Institute of Metals, Head Office, Kolkata  
IIM-Human Resources Development Centre, Kalpakkam-Chennai  
IIM Bangalore Chapter**

*in association with*

**Department of Materials Engineering, Indian Institute of Science, Bangalore**

*Cordially invite you for*

**Seventh Dr. Baldev Raj Memorial Lecture**

on

**"SCIENCE BEYOND BORDERS:  
International collaborations in basic sciences"**

*delivered by*

**Dr. V.S. Ramamurthy**

**Emeritus Professor, National Institute of Advanced Studies, Bengaluru**

on

**9<sup>th</sup> April 2025, Wednesday, 14.30 hrs**

**at KP Abraham Auditorium, 1st floor, E-wing,**

**Department of Materials Engineering, IISc, Bangalore**



**Hybrid Mode Event; MS Teams Weblink for the Event:**

[https://teams.microsoft.com/l/meetup-](https://teams.microsoft.com/l/meetup-join/19%3ameeting_N2ZIOGQ4ZjktYTgzMC00ODMzLTIINWQtNjllNTA5MDJlZTk1%40thread.v2/0?context=%7b%22Tid%22%3a%226f15cd97-f6a7-41e3-b2c5-ad4193976476%22%2c%22Oid%22%3a%22db32af09-2e7a-4ab0-b793-ab66876ce0e6%22%7d)

[join/19%3ameeting\\_N2ZIOGQ4ZjktYTgzMC00ODMzLTIINWQtNjllNTA5MDJlZTk1%40thread.v2/0?context=%7b%22Tid%22%3a%226f15cd97-f6a7-41e3-b2c5-ad4193976476%22%2c%22Oid%22%3a%22db32af09-2e7a-4ab0-b793-ab66876ce0e6%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_N2ZIOGQ4ZjktYTgzMC00ODMzLTIINWQtNjllNTA5MDJlZTk1%40thread.v2/0?context=%7b%22Tid%22%3a%226f15cd97-f6a7-41e3-b2c5-ad4193976476%22%2c%22Oid%22%3a%22db32af09-2e7a-4ab0-b793-ab66876ce0e6%22%7d)

**Supported by:**

**Tata Steel Ltd., Jamshedpur; NACE International India Section, Mumbai; Department of Atomic Energy (IREL & UCIL), Mumbai; PSG Institutions, Coimbatore; IIM Head Office, Kolkata**


## **PROGRAMME**

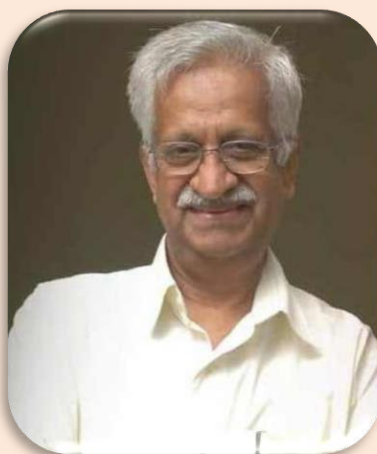
9<sup>th</sup> April 2025 @ 14:30 Hrs, Wednesday, at KP Abraham Auditorium, 1st floor, E-wing,  
Department of Materials Engineering, IISc., Bangalore

**Hybrid Mode Event; Weblink for the Event:**

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_N2ZIOGQ4ZjktYTgzMC00ODMzLTIINWQQtNjllNTA5MDJlZTk1%40thread.v2/0?context=%7b%22Tid%22%3a%226f15cd97-f6a7-41e3-b2c5-ad4193976476%22%2c%22Oid%22%3a%22db32af09-2e7a-4ab0-b793-ab66876ce0e6%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_N2ZIOGQ4ZjktYTgzMC00ODMzLTIINWQQtNjllNTA5MDJlZTk1%40thread.v2/0?context=%7b%22Tid%22%3a%226f15cd97-f6a7-41e3-b2c5-ad4193976476%22%2c%22Oid%22%3a%22db32af09-2e7a-4ab0-b793-ab66876ce0e6%22%7d)

- 14:30 hrs : Lighting of Lamp and Paying Homage to Dr. Baldev Raj
- 14:35 hrs : Welcome Address  
**Prof. Abhik Choudhury**  
Chairman, IIM Bangalore Chapter
- 14:45 hrs : Profile of Dr. Baldev Raj & About the Lecture Series  
**Dr. U. Kamachi Mudali**  
Former President, IIM & Chairman, IIM HRDC-KC
- 14:55 hrs : Message from President, IIM  
**Mr. Sajjan Jindal**  
President, IIM & Managing Director, JSW Steel Ltd.
- 15:05 hrs : Presidential Address  
**Prof. Satyam Suwas**  
Chair, Department of Materials Engineering
- 15.15 hrs : Special Address by  
**Brig. Arun Ganguly (Retd)**  
Secretary General, IIM HO, Kolkata
- 15:25 hrs : Seventh Dr. Baldev Raj Memorial Lecture on  
**"SCIENCE BEYOND BORDERS:  
International collaborations in basic sciences"**  
**Dr. V.S. Ramamurthy**  
Emeritus Professor, National Institute of Advanced Studies, Bengaluru
- 16:15 hrs : Vote of Thanks  
**Prof. Praveen Kumar**  
Secretary, IIM Bangalore Chapter
- 16:25 hrs : **High Tea**

  
**RSVP:** Prof. Praveen Kumar, Secretary, IIM Bangalore Chapter, Mail: [praveenk@iisc.ac.in](mailto:praveenk@iisc.ac.in)



## **Dr. V.S. Ramamurthy**

**Emeritus Professor, National Institute of Advanced Studies, Bengaluru**

*Prof Ramamurthy is a well-known Indian nuclear scientist with a broad range of contributions from basic research to science administration. Prof Ramamurthy started his career in Bhabha Atomic Research Centre, Mumbai in the year 1963. He has made important research contributions, both experimental and theoretical, in many areas of nuclear fission and heavy ion reaction mechanisms, statistical and thermodynamic properties of nuclei, physics of atomic and molecular clusters and low energy accelerator applications. During the period 1995-2006, Prof Ramamurthy was fully involved in science promotion in India as Secretary to the Government of India, Department of Science & Technology (DST), New Delhi.*

*Prof Ramamurthy was also the Chairman of the IAEA Standing Advisory Group on Nuclear Applications for nearly a decade. After retirement from government service, Prof Ramamurthy, in addition to continuing research in Nuclear Physics in the Inter-University Accelerator Centre, New Delhi, has also been actively involved in human resource development in all aspects of nuclear research and applications. Prof Ramamurthy is also a Chairman, Recruitment and Assessment Board, Council of Scientific and Industrial Research and Member, National Security Advisory Board. In recognition of his services to the growth of Science and Technology in the country, Prof Ramamurthy was awarded one of the top civilian awards of the country, the Padma Bhushan, by the Government of India in 2005.*

## **“SCIENCE BEYOND BORDERS: International collaborations in basic sciences”**

### Abstract

It is known that India is participating in several International mega Science and Technology projects with real resource commitments such as the CERN-India collaboration in Geneva, Switzerland, the International Thermonuclear Experimental Reactor (ITER) in Cadarache, France, the Thirty Meter Telescope (TMT) in Hawaii, USA, The Square Kilometre Array Observatory (SKAO) and many others. One often hears whether India can afford such "luxuries". In this lecture, I try to convince the audience that these investments in a few, carefully chosen, big Science and Technology projects are not only justified but are also important for our country's future.

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