

**GOA ENGINEERING COLLEGE, IGS GOA
CHAPTER & INSTITUTION OF ENGINEERS
(INDIA) GOA STATE CENTRE**

Seventh Dr. Victor de Mello Goa Lecture



*Climate Resilient Design and Rehabilitation of
Embankment Structures*

Prof. G L Sivakumar Babu, F.ASCE, FIGS

Professor, Indian Institute of Science, Bengaluru

First Dr. Narayan V Nayak Memorial Lecture



*Foundation Systems for Mega Structures under
Static and Dynamic Loadings: Theory to Practice*

Prof. Deepankar Choudhury, FNAE, FASc, FNAsc, F.ASCE, FIGS

Professor, Indian Institute of Technology, Bombay

IGS Goa Chapter Invited Special Lecture



Sustainable Innovations in Construction Industry

Dr. Anil Joseph, FIGS, FIE

President, Indian Geotechnical Society

29th March 2025, Goa

ORGANISED BY



SUPPORTED BY



**Sociedade Portuguesa
de Geotecnia**

PORTUGUESE GEOTECHNICAL SOCIETY

GOA ENGINEERING COLLEGE, FARMAGUDI

Founded in 1967, Goa College of Engineering is the oldest engineering college in Goa, located in picturesque and serene environment on hillock of Farmagudi, covering 268 acres of land. The College is approved by AICTE and is affiliated to Goa University. Institute conducts eight four-year degree courses viz. Civil, Mechanical, Electrical & Electronics, Electronics & Telecommunications, Computer, Information Technology, VLSI and Mining Engineering. In addition institute conducts nine M.E. courses in various disciplines and is a Research Centre of Goa University for Ph D in Civil, Mechanical, Electrical & Electronics and Electronics & Telecommunication Engineering. For more details visit www.gec.ac.in

INDIAN GEOTECHNICAL SOCIETY GOA CHAPTER

Indian Geotechnical Society, affiliated to International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), aims at promoting co-operation amongst engineers and scientists for the advancement and dissemination of knowledge in the fields of soil Mechanics, foundation engineering, soil dynamics, engineering geology, rock mechanics and allied fields of applications. It provides a common forum of academicians, research workers, designers, construction engineers, equipment manufacturers and others interested in geotechnical activities. Goa Chapter of Indian Geotechnical Society was established on 28th October 2016 and is the 41st Chapter of the Indian Geotechnical Society.

The Institution of Engineers (India)

The Institution of Engineers (India) is the world's largest multi-disciplinary engineering professional society having more than one million members in 15 engineering disciplines. The institution was established in 1920 in Kolkata, West Bengal, and was incorporated by Royal Charter in 1935. IEI has been playing a critical role in defining excellence and setting up benchmarks for upliftment of engineering education. The Department of Scientific & Industrial Research, Ministry of Science & Technology, Govt. of India has recognized it as a Scientific & Industrial Research Organization (SIRO) by virtue of its contribution in the area of scientific and industrial research. Goa State Centre was started as Goa Sub Centre in September 1974 and upgraded to Local Centre in 1987. With current corporate membership of 1276, Local Centre was upgraded to Goa State Centre in 2008.

Dr. VICTOR de MELLO GOA LECTURE

IGS Goa Chapter initiated this prestigious Dr. Victor de Mello Goa Lecture in 2017, to be delivered by an eminent engineer of international repute. The First lecture was delivered by Prof M R Madhav. The subsequent lectures were delivered by Dr. Luiz Guilherme de Mello, Prof. Pedro Seco e Pinto, Prof A Balasubramaniam, Prof. Roger Frank and Prof. K S Rao. These lectures are also published in the International Journal of Soils and Rocks published by Brazilian and Portuguese Geotechnical Societies and Dr Victor de Mello website <https://victorfbdemello.com.br/>. The 7th Dr. Victor de Mello Goa Lecture will be delivered by Prof. G L Sivakumar Babu, Professor in Civil Engineering, Indian Institute of Science, Bengaluru on Saturday 29th March 2025 at 12.00 noon (Hybrid mode).

Dr. NARAYAN V NAYAK MEMORIAL LECTURE

Dr. Narayan V. Nayak was a veteran in the construction and foundation engineering industry. He had a strong bright academic career with rich and versatile practical experience of more than six decades. IGS Goa Chapter initiated this prestigious Dr. Narayan V Nayak Memorial Lecture Series since 2025. The first Dr. Narayan V Nayak Memorial Lecture will be delivered by Prof. Deepankar Choudhury, Prof. T. Kant Chair Professor and former Head of Civil Engg., IIT Bombay on Saturday 29th March 2025 at 11.00am.

IGS GOA CHAPTER INVITED SPECIAL LECTURE

IGS invited special lecture will be delivered by Dr. Anil Joseph, President, Indian Geotechnical Society on Saturday 29th March 2025 at 10.15am.

Dr. VICTOR F. B. de MELLO



Dr. Victor Froilano Bachmann de Mello was born in Panaji - Goa on 14th May 1926. After his schooling in India, Victor proceeded to MIT, Cambridge, USA and obtained his BSc degree in June 1946, MSc in September 1946 and D. Sc. in 1947 from the same institute.

After his research work in MIT, he proceeded to Brazil where he worked in different capacities from 1951 to 1967 as Chief Design Engineer, Technical Director and Superintending Director of Geotécnica, Inc., which was the largest company in consulting and special services in geotechnical engineering. He also operated as consultant since 1968. His academic career started from 1957 when he was appointed Professor of Soil Engineering at Mackenzie University in São Paulo and in 1967 he became Professor of Soil Engineering at São Paulo University. In addition, he had been the President of the Brazilian Society of Soil Mechanics (of which he is a founding member), the first recipient of its Terzaghi Prize, Vice President of the International Society of Rock Mechanics for Latin America and Vice President of the International Society of Soil Mechanics for Latin America. Dr. Victor de Mello delivered the **Seventeenth Rankine Lecture** of the British Geotechnical Society on 10th March 1977 titled **"Reflections on Design Decisions of Practical Significance to Embankment Dams"**. He was elected as President of ISSMFE for the term 1981-85. In 1985, he suggested 25 different solutions for correcting the tilt of Leaning Tower of Pisa.

He remarked *"When faced with a problem of high ratio of responsibility to feasibility, it is not in better analytical work that engineers seek solutions, but rather in different statistical universes in order to set aside, quite definitely, the possible histogram of degrees of undesirable behaviour"*.

IGS Goa Chapter initiated this prestigious Dr. Victor de Mello Goa Lecture in 2017 in association with Brazilian Geotechnical Society and Portuguese Geotechnical Society, to be delivered by an eminent engineer of international repute, every year. The first lecture was delivered by **Prof M R Madhav**. The subsequent lectures were delivered by **Dr. Luiz Guilherme de Mello**, **Prof. Pedro Seco e Pinto**, **Prof A Balasubramaniam**, Prof. Roger Frank and Prof. K S Rao. These lectures are also published in the **International Journal of Soils and Rocks** published by Brazilian and Portuguese Geotechnical Societies and Dr Victor de Mello website <https://victorfbdemello.com.br/>.

Dr. NARAYAN V. NAYAK



Dr. Narayan V. Nayak was an innovative engineer and had an ever-thinking brain for research and simple common sense based innovations that are easy for implementation.

He graduated in Civil Engineering from the University of Mumbai in the year 1959. He secured his M. Tech from IIT Bombay and Ph. D. from University Wisconsin, USA. He has served for Tata Consulting Engineers, AFCONS, and Gammon India Ltd. as Principal Advisor.

He has published more than 120 research papers in National and International Journals. He was the author/co-author/editor of the following six books - Foundation Design Manual – 8th Edition, Handbook on Advanced Concrete Technology, Concrete Sustainability, Handbook on Quality and Productivity Improvement of Concrete, Text Book of Concrete Technology and Text book on Construction Technology. He is the recipient of Kueckelmann Award: First from the Construction Industry, IGS Annual Lecturer, 1994: First from Construction Industry, Kanara Ratna Award: First Civil Engineer to be Awarded, Life Time Achievement Award by ACI India Chapter (2013), Life Time Achievement Award by Indian Concrete Institute (2016), Life Time Contribution Award by DFI, India (2018), EPICONS Felicitation for "Exemplary Contribution to Civil Engineering Fraternity" (2019), Recipient of prestigious Gopal Ranjan Technology Award 2018 of IIT Roorkee, Received successively for two years 2018 and 2019, the ACCE(I) Nagadi Award for Best Publication in Book Category by the Association of Consulting Civil Engineers (India).

IGS Goa Chapter initiated this prestigious Annual Dr. Narayan V Nayak Memorial Lecture Series since 2025. The first Dr. Narayan V Nayak Memorial Lecture will be delivered by Prof. Deepankar Choudhury, IIT Bombay.

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REGISTRATION DETAILS

Registration fee of attending both the 7th Dr. Victor de Mello Goa lecture and 1st Dr. N V Nayak memorial Lecture is Rs. 800/- for Academicians/Industry/IGS/IEI/ICI Members and Rs. 300/- for UG/PG students and Research Scholars. Scan the code for joining whatsapp group for further updates. The registration Fee can be paid online through Bank Transfer.



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