



Mr.K.R.Anandkumaran Nair
Former Executive Director-Development
Lucas TVS Ltd., Chennai

Mr K R A Nair, after obtaining post graduate degree from IIT Bombay, has been in R&D and Engineering management in large corporates for many years and has recently retired as Executive Director, Development from LUCAS TVS.

He introduced LEAN PRODUCT DEVELOPMENT practices and PLM in LUCAS TVS for the last 15 years. With over 50 years in managing new product development, Mr Nair has guided development of a number of electric, electronics, mechanical and lighting products for various automotive applications.

He was associated with many educational institutions in India and has delivered many lectures and tutorials.

He is a member of SAE and IEEE.

His special interest areas are Innovation management, creativity and New Product Development systems and design thinking.

He was actively involved in new product innovation and holds 25 patents to his name.

Speaker Profile



Dr. Bala Bharadvaj
Managing Director, Boeing India Engineering & Technology Center
Senior Vice President, SAEINDIA

Dr. Bala Bharadvaj is currently the Managing Director of Boeing Research & Technology-India based in Bangalore. In this role, he provides leadership to Boeing's Research, Technology and Engineering activities in India.

Qualification and Experience:

Dr. Bharadvaj holds a B.Tech., degree with Distinction in Aeronautical Engineering, from IIT Madras; M.S. and Ph.D. degrees in Aerospace Engineering from the Georgia Institute of Technology in the US; and an MBA from the University of California at Irvine, California.

Dr. Bharadvaj joined The Boeing Company in 1987 and has worked in Southern California (USA) for many years before moving to India in 2009. He has held various leadership positions in Technology Development, Technology Integration, Engineering, Program Management and Strategic Planning. Prior to joining Boeing, he was on the faculty of the Aerospace & Mechanical Engineering Department at Boston University, Boston, USA.

Professional Highlights

During his long Aerospace career in the United States, Dr. Bharadvaj has contributed to various projects spanning analysis, design, lab testing and flight testing. He has developed codes to analyze 3D unsteady flows past airplanes and helicopters; held key leadership positions in the NASA-Industry F-16XL-2 program to demonstrate Laminar Flow in Supersonic Flight; led a NASA-Industry MDO Team to design a supersonic transport aircraft; led a team to integrate new technologies into the C-17 aircraft; and led the implementation of long-range technology planning for Boeing Defence, Space & Security Systems.

During this journey, Dr. Bharadvaj has been honored with several awards, notably the "Monie Ferst Award" for the Best Ph.D. Thesis by Sigma Xi Scientific Research Society, "Team Excellence Award" and "Group Achievement Award" from the National Aeronautics and Space Administration. He has also been recognized as a "Quality Hero" and "Process Management Role Model" by the Boeing Long Beach facility.

Speaker Profile



Mr. Bhuvan Anandkrishnan
Director, Electrical, Electronics & Software Technologies
ITDD - Engineering, Caterpillar India, Chennai
Co-chairman, NASSCOM GIC Council

Mr. Bhuvan acquired his bachelor's degree in Electronic Engineering from Madras University and a Master's degree in Business Administration from Great Lakes Institute of Management. He also has a Diploma in 21st Century Management from Bradley University, USA.

Bhuvan has 19 years of Industry experience of which 15 years has been with Caterpillar in the areas of Embedded Firmware Development, Machine control systems, Displays, IOT, Autonomous Vehicles, Edge Computing & Advanced Analytics. He has served in a variety of engineering, strategy development and leadership positions within Caterpillar Inc.



Dr. Gnanamoorthy. R / IIT, Madras

Prof Gnanamoorthy received his Doctor of Engineering (Dr Engg) degree from Nagaoka University of Technology, Japan. He served at Institute for Materials Research, Tohoku University Japan, as a regular employee before joining as Faculty at IIT Madras in 1997. His teaching and research interests include on Advanced Materials & Product Design, Design with Polymer and Nanocomposites, Machine Element and Special Purpose Test Machine Design, Damage Tolerant & Tribo Design, Behavior of implant materials, and Surface Engineering.

Prof Gnanamoorthy has published more than 250 original research publications in reputed International Journals and Conferences. His research publications were cited in more than 1200 research publications worldwide. He has guided 7 Doctoral scholars and holds a patent on innovative surface modification process for surface nanocrystallization and fatigue life improvement. He has successfully completed many sponsored research projects for Government organizations such as NRB, ISRO, DST, IGCAR and offered consultancy services to reputed Industries in India and Abroad.

He is on the International Advisory Board of Japanese Society of Mechanical Engineers, and serves on a number of Government, Academic, and Industry committees and advisory bodies associated with the development of new Institutes, curriculum improvement and new product development. He has also served as an Expert Member of Engineering Education for Next Generation Global Engineers, Japan

Prof Gnanamoorthy, served as the Founder Director of IIITDM Kancheepuram, and established a state of the art of green campus at the outskirts of Chennai and is an architect of Design Centric Engineering and Smart (Industry 4.0) Academic Programs in India. He has also served as the Mentor Director for IIITDM Kurnool, AP and Director i/c for the Central Institute for Classical Tamil, Chennai.

Speaker Profile



Prof. Harit Santhanam
Professor of Practice, Dept. of Mechanical Engineering,
IIT Madras, Chennai

Dr. Harit is currently a Professor-of-Practice in Mechanical Engineering at IIT Madras. He has a Bachelor's degree in Mechanical Engineering from Annamalai University in India, MS and PhD in Industrial Engineering from the University of Arkansas, USA.

He has three decades of manufacturing engineering experience with automotive and tooling industries in India, USA, Europe and Asia. He has also worked extensively on manufacturing and engineering related issues with Defense, Armaments, Environment, Construction, Food and Pharmaceutical industries in USA.

He was the Vice President - Manufacturing Engineering with the Automotive Sector of Mahindra & Mahindra Ltd.



Mr. Peer M.Sathikh
Associate Professor & Associate Chair (Academic)
School of Art, Design & Media
NTU, Singapore

Mr. Peer Sathikh is presently an Associate Professor and the Associate Chair (Academic) at the School of Art Design and Media (ADM), Nanyang Technological University, Singapore. Peer is also the Director of the Centre for Asian Art and Design (CAAD) at NTU, where he focuses on the study of the historical and related contemporary issues in Asian Art and Design. Peer is a Visiting Professor at the Industrial Design Centre, IITBombay, an Adjunct Professor at VIT University, Vellore and a board member of the Creative Malay Art and Culture, a non-profit cultural organisation to study and promote Malay art and culture in Singapore.

Peer Sathikh obtained a Master of Design (MDesRCA) in industrial design from the Royal College of Art (RCA), London and a Master of Design in product design from Industrial Design Centre, IIT Bombay. He also has a Bachelor of Engineering (Hons) degree in Mechanical Engineering from the College of Engineering, Anna University, Chennai. In 1996 Peer co-founded Inovasia Design in Singapore, which has won several awards for work done as design consultant at Inovasia. Peer had been the Chairman of the Advisory Committee for the Product Design and Innovation Course at the Ngee Ann Polytechnic, Singapore and presently is member of the Advisory Committee for the Industrial Design Course at the Nanyang Polytechnic, Singapore.

Past President of the Designers Association Singapore (DAS), Peer is also a member of the Industrial Designers Society of America (IDSA), Product Design and Management Association (PDMA), USA and the Design Research Society (DRS), UK. Peer Sathikh has research interest in the following areas: Transportation and urban mobility, User experience in design, People, culture and design and Design pedagogy.



Dr. Ramanan Lakshminarayanan , Sr. VP (R & D) at Sahajanand Medical Technologies

- * Passionate Product & Process Quality & Technology Specialist, with multi product, multi cultural & cross functional expertise.
- * Robust Design Subject Matter Expert and application specialist for Product & Process.
- * Delivered 'CORONARY ARTERY & RENAL STENT DESIGN' to my customer - Humble Contribution to "MAKE IN INDIA"
- * Loves to solve some of the tough problems relating to Product & process Quality and Cost Saving
- * 30 Years of Global Expertise in Product Technology & Product Quality
- * Decade of career studded with patent, publications and Global Awards - with world Leader GE
- * Impeccable career in Auto Leader Lucas TVS - with International Awards from HP & JAGUAR
- * Impactful service in Indian Railways - Represented India in Intl forum, received Rly Minister Award
- * Research Expertise at IITM as Res Scholar - Proven expertise in Applied research to products
- * Inspiring Teacher - Served as Lecturer in respected Thiagarajar College of Engg, Madurai, India
- * Demonstrated Expertise in Leveraging advanced Technology in Early Stage of Product Design
- * Design For SIX SIGMA, Robust Design & TAGUCHI Method



Mr. K.E. Raghunathan - Chief Executive Officer, D4E Network India Pvt. Ltd.

He is an Engineer from PSG Tech and IIT Chennai

First generation Entrepreneur into SOLAR ENERGY BUSINESS - since 1984.

Has to his credit several Innovative technology launch in solar sector both in India and as well as Globally.
Recognised as BEST SMALL SCALE INDUSTRIALIST by Govt of India in 1996.

Recipient of UDYOG SHREE , SHIRONMANI VIKAS in 1998 for his Contributions in the field of SOLAR ENERGY .

Has been awarded “OUTSTANDING YOUNG BUSINESSMAN” IN THE CITY OF MADRAS IN 1997 BY ROTARY CLUB.

GOVERNING COUNCIL MEMBER OF 5 ENGINEERING COLLEGES IN TAMILNADU

CURRENTLY - IS THE NATIONAL PRESIDENT – ALL INDIA MANUFACTURERS ORGANISATION.

MEMBER – GREEN BUSINESS COUNCIL – CONFEDERATION OF INDIAN INDUSTRY and Chairman – Solar thermal group – CII



Dr. P. Sivakumar, Director, CVRDE

He has been elevated as **Distinguished Scientist (DS)** w.e.f 11th Sep 2015. Dr. P. Sivakumar graduated in Mechanical Engineering from College of Engineering Guindy, Chennai in 1980, post graduated in Production Engineering from Madras Institute of Technology in 1987 and obtained his PhD., in the field of Mechanical Engineering from Indian Institute of Technology Madras (IITM), Chennai in the year 2011.

He started his career as Scientist 'B' in DRDO (CVRDE) in 1984 after a stint of a couple of years at private industry. Dr. P. Sivakumar, contributed for more than three decades in the Design & Development of systems, sub-systems of Armoured Fighting Vehicles and its variants.

He is also Chairman, Board of Governors for College of Engineering, Anna University, Chennai, member of Centre for Technology Development and Transfer, Anna University, Chennai, member of Editorial Board of Sathyabama University, member of Governing Council-Velammal Engg. College, Chennai, member of Governing Council-VELS University, Chennai, external member of the Board of Studies - Centre for Defence Technology Studies, Hindustan University, Chennai, member of Steering Council for Excellence - Park College of Engg & Technology, Coimbatore.

He is a **Fellow of the Institution of Electronics and Telecommunication Engineers (IETE)** and he has also been elected as **Fellow of Indian National Academy of Engineering (INAE)** for his distinguished contribution to engineering.



Mr. B. Shankar
Partner, Infomine Software Solutions, Chennai

Shankar B, a gold medalist and CBSE South Zone topper, has a B.Tech in Electrical Engineering from IIT Madras and was a Research Fellow at the City University of New York. He has 27 years of experience in the IT Industry and has donned technical, managerial and training hats during his stint in the IT industry.

He has done projects for international clients like Toronto Humane Society, Canada, and Kansallis Osake Pankki, Finland (It was one of the first AI projects out of India). Shankar has worked in the quality function in Infosys, HCL and Polaris where he has driven ISO, BS7799, CMM and CMMI certifications and assessments, which have led to higher productivity and higher customer satisfaction.

His previous assignment was as Assistant Vice President, Learning and Development, Polaris. Shankar is a guest speaker at various Indian Universities like IIT, IIIT, VIT, MIT, RMK, etc. Shankar also advises Educational Institutions on Strategy. Shankar is currently a partner at Infomine Solutions in Chennai.



Mr. V.S.Sridhar
Sr Vice President & Tata Communications Ltd.
Head - Internet of Thing Business Unit
Tata Communications, Chennai

Mr. Sridhar comes with a vast experience in

- * Enterprise Solution Sales
- * International M&A; Project Management
- * Start ups Management
- * General Management
- * Sales Management (Direct / Indirect) in both IT / Telecom Industry
- * Relationship Management
- * Product Management

He has had his education at XLRI Jamshedpur with PGDM (MBA), Marketing, 1988 - 1990

At The Maharaja Sayajirao University of Baroda with BE, Mechanical Engineering, 1982 - 1987

And post-graduation from Carnegie Mellon University - Tepper School of Business

His experience spans nearly three decades.

- Sr Vice President & Head (IOT Business Unit) at Tata Communications July 2016 – Present. He is Currently heading Internet of Things Business Unit for Tata Communications. Creating a pan-India Network to offer complete solutions in IOT.
- Sr Vice President & Head - Global Enterprise Solutions (India) at Tata Communications Ltd. December 2012 - June 2016 (3 years 7 months)
- Head of the India Enterprise Business for Tata Communications. Establishing and maintaining Leadership position in Telecom Solutions for Enterprises including developing Strategy and Execution for Business with a 230+ sales force across India.
- Sr Vice President & Head - Transformation Solutions Group at Tata Communications September 2011 - November 2012 (1 year 3 months)



Dr. Amaresh Chakrabarti
Senior Professor and Chairman,
Centre for Product Design and Manufacturing (CPDM)
Indian Institute of Science (IISc), Bengaluru

Amaresh Chakrabarti is a Senior Professor and current Chairman for Centre for Product Design & Manufacturing, Indian Institute of Science (IISc), Bangalore. He has BE (Mech Engg, IEST Shibpur), ME (Mech Design, IISc) and PhD (Engg Design, Univ of Cambridge UK). After PhD, he led for 10 years the Design Synthesis group at EPSRC CoE Engg Design Centre at Univ of Cambridge.

His interests are in synthesis, creativity, sustainability, and informatics. He published 13 books, over 270 peer-reviewed articles, and has 10 patents granted/pending. He co-authored DRM, a methodology used widely as framework for doing design research. He has been Associate Editor, AI EDAM and Design Science Journal, both Cambridge University Press (CUP), Area Editor, Research in Engg Design, Regional Editor, J for Re-manufacturing (both Springer), and Advisory Editor for 7 Journals incl. Clean Tech & Env. Policy (Springer), and J of Engg D (T&F) and Int J Design Creativity & Innovation (both T&F).

He has been elected to Advisory Board and Board of Management, Design Society; member, CII National Committee on Design India, the Jury for India Design Mark; and invitee, CII Smart Manufacturing Council India. He founded IDEASLab – the first Design Observatory in India. He is Programme chair for Intl Conf Series on Research into Design (ICoRD), 22nd CIRP Design Conf 2012, 3rd Intl Conf on Design Creativity 2015 (3rd ICDC) and vice-Chair for AI in Design and Design Computing & Cognition Conf series.

He is an Honorary Fellow of the Institution of Engineering Designers, the peer society under the UK Royal Charter in engg design, and received TUM Ambassador Award from TU Munich Germany. 15 of his papers won top paper awards in international conferences. He co-initiated the first Smart Factory Lab in India. He also heads the IISc-TCS Innovation Centre, the IISc Press, and the Springer International Book Series on Design Science and Innovation. He is the current Editor-in-Chief for AI EDAM Journal (CUP).



Dr Shankar Venugopal
Vice President, Mahindra & Mahindra
Mahindra Research Valley, Chennai.

Dr Shankar leads technology innovation for the Automotive & Farm services business (AFS). He heads the intellectual property (Patents) and knowledge management functions. He is also the Dean of the Mahindra Technical Academy.

Shankar is passionate about developing sustainable urban mobility solutions and his current interests span across electric vehicles, connected vehicles, autonomous vehicles and precision farming.

Prior to joining Mahindra & Mahindra, Shankar has held technology innovation leadership roles at GE, Dow, Honeywell and Cummins. He holds ten international patents and numerous new product innovation awards. He has developed a proprietary innovation methodology – Innovation FLOW – and trained 1000 + inventors and innovators.

Shankar obtained a Ph.D in Materials Science and a gold medal for the best doctoral thesis from the Indian Institute of Science, Bangalore. He completed his executive management program from the Indian Institute of Management, Bangalore.

Shankar is an avid reader and is interested in physics, philosophy and psychology. He teaches technology innovation management at premier engineering & management institutes in India & abroad.



Mr. G. Ramasubramanian
COO and Head of Delivery at [Zafin](#), Chennai

Over 3 decades, grew a career in the IT services industry after gaining professional qualification as a Chartered Accountant. Worked for great organizations such as TATA and IBM. Started an IT services company, grew it over a decade and divested it. During this entrepreneurial stint pitched to VCs, got funded and later sold out. Worked for a Canadian fin-tech company as COO in an exciting phase of its growth. Strongly believe that nation building is possible only through innovative ideas and start-ups are the place to go. Deeply connected in the start-up eco-system in India and actively funding and mentoring start-ups.

Speaker Profile



Dr. Savita Dawar, Sr. Technical Director
CollabCAD, CollabDDS, Intellectual Property, e-Governance Standards
MoCA, MoM & MoTA
National Informatics Centre, New Delhi

Dr. Savita Dawar is a Senior Technical Director from National Informatics Centre. She has a Ph.D. in Applied Mathematics from IISc, Bangalore. She has worked with NIC for over 25 years and currently heads the CAD Development Group. Her areas of interest are Computer Aided Design, Medical Imaging, Product Lifecycle Management, Enterprise Resource Planning, Open Source Solutions and Open Standards. She has been involved with the development of CAD software for the last 20 years and associated with the Design, Development and Implementation of CollabCAD, a 3D CAD Software system for collaborative design & development of Industrial Designs. She has also been involved and responsible for the conceptualization design and development of CollabDDS: Collaborative Digital Diagnosis System. With the proof of concept having gone through successfully, the project has been extended to a Pilot Implementation of CollabDDS at Medical and Dental Colleges and Hospitals to evaluate the efficiency and effectiveness of remote diagnosis. She is working on providing Online Radiological Services through CollabDDS on a PAN India basis.



Mr. Rajaram Venkataraman **CEO of Veltech's Technology Business Incubator**

Rajaram is currently the CEO of Veltech's Technology Business Incubator as well as the founder and CEO of "Navya Insights" a boutique consulting outfit advising clients on "business growth and renewal", "Improving agility and organizational competitiveness through Digital and Innovation", co-creating innovation through design thinking, "Slam dunk methodology" etc. He is a "Growth hacker" and "Design thinker", who brings a unique experience and track record in delivering value through efficiency, transformation and innovation to clients. He was previously the "Innovation Culture Practice Head" at Infosys before starting his own consulting practice under the banner "Navya Insights". He has helped set up "Innovation Labs", "Innovation Sandboxes" to clients as well as conducted numerous workshops on Design thinking, Innovation tools, Innovation for managers, digital transformation etc. He has been advising clients in India and Abroad on a broad range of areas and also has been providing research capabilities & consulting support to some of the top tier business consulting organizations in India.

He has published several International conference papers, has delivered keynotes, as well as chaired several International conferences and also the author of a US patent on building "Systematic Innovation Maturity for enterprises".

He is the State level Convener of FICCI (Tamil Nadu)'s Technology Panel where he was the conference chair for the recent "FICCI E-Commerce Summit and Exhibition" as well as the "Digital Disruption and Transformation Summit"; He is a strategic advisor to cintana technologies and plays a role in the Board of Advisors of Cyber Security and Privacy Foundation, Secretary General for SPIN Chennai (Software process improvement network) and is part of the Cloud Computing Innovation Council of India. He is also an adjunct faculty in some of the leading management institutes where he teaches Digital transformation, Cyber Security, E-business, Technology Trends, Six Sigma etc. He has won many awards for excellence and recognitions from Industry and Clients.

Rajaram has a BE Computer Science Degree from Indian Institute of Science, Bangalore, MBA from UK and is a certified "Independent Director" from Institute of Directors (IOD)