



Dr. G. Padmanabham
Director

Dr. Padmanabham obtained his Bachelor's degree in mechanical engineering from Andhra University, Master's degree in metallurgy from NIT Warangal and Ph.D in Welding Technology from IIT Delhi. Dr Padmanabham started his professional career in 1987 as a Design & Development Engineer at Bharat Dynamics Limited, Hyderabad involved in indigenization of a strategic product which was under license production. In 1990, he moved to the Department of Science & Technology, New Delhi and held several positions and was involved in formulation and implementation of national and international Science & Technology programmes, during which he played a key role in establishment of ARCI and the Centre for Laser Processing of Materials. He joined ARCI, Hyderabad in 2005 and made significant research contributions in the fields of Materials joining; Laser Processing of Materials; and Technology Transfer & Commercialization. He successfully led several technology development projects for various industrial sectors. In the field of laser processing of materials, his R&D spans materials joining, surface engineering, drilling and micromachining. Under his leadership, the Centre for Laser Processing of Materials not only developed as a nationally unique facility but also provided expert help to several other organizations in setting up of laser processing facilities. He also provided overall leadership to ceramics processing, sol-gel nano-composite coatings; and technology transfer & commercialization activities of ARCI.

He has 80 research publications, 2 book chapters, 8 patents and 80 invited lectures to his credit. He is a reviewer for several international journals in Materials and Manufacturing technologies and member of the editorial board of journals in the field of materials joining and additive manufacturing.

Dr. Padmanabham is actively involved with several international and national professional bodies. He is currently the Chairman, Society for Automotive Engineers (SAE International) Hyderabad Division, Founder Chairman of the Indian Institute of Welding-Hyderabad; Fellow and Member of the National Governing Council of the Indian Welding Society; Fellow of Institution of Engineers (India).

He is a recipient of Materials Research Society of India Medal, Andhra Pradesh Scientist Award, Dr S. P. Luthra Memorial Lecture Award of Institution of Engineers and German Academic Exchange (DAAD) Fellowship. He is elected Fellow of Andhra Pradesh Academy of Sciences & Telangana Academy of Sciences and Member of the Sectional Committee on Engineering Sciences. He serves on several expert committees of the Government. He was Indian Co-Chair, Indo-German Frontiers of Engineering Symposia for 2014 & 15 and is now Chairman of the International Institute of Welding's 6th Research and Collaboration Colloquium 2016.