

Prof. Murugaiyan Amirthalingam

Associate Professor

Department of Metallurgical and Materials Engineering (MME)
IIT-Madras.

Dr Murugaiyan Amirthalingam, is an associate professor in the Department of Metallurgical and Materials Engineering (MME), IIT-Madras. He had completed his B.E from Govt. College of Engineering, Salem, Tamil Nadu in 1999. He did his M.S from IIT Madras in 2003 and PhD from Delft University of Technology, Netherlands in 2010. He also completed two of his post-doctoral fellowships from Delft University of Technology, the Netherlands.

He is currently the head of joining and additive manufacturing laboratory, faculty in-charge of Gleeble - Thermomechanical simulation laboratory and Physical Metallurgy Laboratory in the department of Metallurgical and Materials Engineering, IIT-Madras.

He has guided so far 10 PhD and MS students and is currently supervising 12 PhD and 4 MS students in the area of joining and additive manufacturing. His research area of interest includes, welding processes development, welding metallurgy and metal additive manufacturing.

He is a recipient of Kenneth Easterling award in 2015 from the International Institute of Welding (IIW) for his contribution to mathematical modelling of weld phenomena. He is also a recipient of Dr Placid Rodriguez memorial lecture in the year 2019 from Indian Institute of Welding. He served as a member of Technical Management Board (TMB) of International Institute of Welding, apex body that institute and currently an expert member of Commissions IX, XII and study group 212 of IIW.

He has published close to 75 international journal publications in joining and additive manufacturing and presented close to 80 papers in the international conferences. He has so far handled more than 20 sponsored and industrial consultancy projects with a worth of INR 16 crores. He received the "Best Teacher Award" from IIT Madras during the Teacher's Day celebration in 2022.