

Dr. J. Karthikeyan Ph.D., FASM, Thermal Spray Consultant, 24 Saranac Road
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SPEAKER BIOGRAPHY:

Dr. Karthikeyan received his Ph.D. in Physics from Bombay University, India. As a Senior Scientist in the Indian Atomic Energy Commission, he specialized in plasma science and technology, thermal spraying and advanced material processing technology. He led research programs on the preparation and characterization of thermal spray coatings as well as design and development of plasma jet based material processing systems.

He received Research Fellowship Awards from France, Australia, Sweden, Germany and USA. As a visiting scholar, he pursued research on coatings for nuclear application at Kernforschungsanlage, Julich, Germany, High-Tc superconductor at Monash University, Australia and nanomaterials at SUNY at Stony Brook, NY. At Stony Brook, he along with Chris Berndt developed the Thermal Spray Synthesis Process for producing nanomaterials and coatings. He moved from basic research to Industrial R&D in 1997 and pioneered research on cold spray technique as well as engineered coatings for advanced high-tech industries.

He has authored in excess of 100 publications, mostly in peer reviewed journals as well as multiple patents in cold spray technology and applications.

He served as Member of the International Board of Review, Journal of Thermal Spray Technology, Member of many ASM-TSS Committees as well as Member of the TSS Board (2008-2010). He was the convenor of ASM-TSS sponsored “Cold Spray 2004”, “Cold Spray 2007” and “Cold Spray 2010” meetings and organized special sessions on Cold Spray at various International Thermal Spray Conferences.

At present, he is working as a Consultant on Thermal Spray Technology.