



Dr. K. P. Karunakaran , *Professor*

Indian Institute of Technology, Bombay

HOME : <http://www.me.iitb.ac.in/~karuna/>

TALK : [*Additive Manufacturing and Allied Technologies*](#)

Dr. K.P. Karunakaran is presently an Institute Chair Professor in the Department of Mechanical Engineering of the Indian Institute of Technology Bombay. He has over 30 years of professional experience. He worked as a CNC programmer in Hindustan Aeronautics Limited for about 9 years since his graduation in 1984. He has been teaching and researching at IIT Bombay in the areas CNC technology, *Rapid Manufacturing (RM)* and Computer Graphics for the last 20 years. He was a consultant to Mercedes-Benz Technology Centre in Summer 2000. He has been associated with Fraunhofer institutes in Stuttgart and Darmstadt since 1998 through summer visits as a Humboldt Fellow.

He was a Visiting Professor in the University of Metz in Winter 2005 and in Ecole Centrale de Nantes during Winters 2006, 2008, 2009, 2010, 2011 and 2013. He launched *OptiLOM*, a pre-processor for LOM-RP, in collaboration with DaimlerChrysler and Materialise during EuroMold 2002. He is presently developing two new RM processes, viz., *Hybrid Layered Manufacturing (HLM)* and *Segmented Object Manufacturing*. HLM which presently use MIG deposition is being extended for TIG and laser depositions. Helicopters without tail rotors are his passion. He is currently developing a single seater of the coaxial contra-rotor pair configuration.