



Dr. B. Ravi, *Institute Chair Professor*

Indian Institute of Technology, Bombay

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

TALK : [*Made in India : From an Idea to Reality*](#)

Dr. B. Ravi is an Institute Chair Professor of Mechanical Engineering at IIT Bombay, and heads E-Foundry and OrthoCAD Labs. He earlier completed his B.E. from NIT Rourkela in 1986, followed by Masters and Ph.D. from Indian Institute of Science, Bangalore in 1992. He held visiting appointments at West Virginia (1996) and Purdue University (2006).

Prof. Ravi works in two areas: metal casting and medical devices, in which he has guided 10 PhD and 60 Masters students. He has published over 220 technical papers, three books, and contributed to four patents and three software programs, including simulation is used by over 50,000 users worldwide. His team has also developed several medical devices, including orthopedic implants and surgical instruments. Prof. Ravi has given over 100 invited talks in India and overseas, and conducted 55 professional training courses benefitting several thousand people.

Prof. Ravi's work has been recognized by several awards: **Best PhD Thesis** from IISc Bangalore in 1992; **WTI Foundation Award** in 2003 for draft manufacturing policy, given by former Prime Minister Mr. A.B. Vajpayee; **IIT Alumni Innovations 2011 Award** for AutoCAST; **DST-Lockheed Martin India Innovation Award 2012** for E-Foundry, and **P.K. Patwardhan Best Technology Development Award** for knee mega-prosthesis. His work was featured on CNBC TED-MED India in April 2013. He represented India thrice at World Foundry Congresses: Dusseldorf (1989), Philadelphia (1996) and Bilbao (2014). The Royal Academy of Engineering, UK, invited him to participate in manufacturing policy roundtables in Delhi, London and Bangalore in 2014. Many prominent visitors from India, Australia, Japan, UK and USA have visited his twin labs.

At national level, Prof. Ravi serves as a member of: *Program Advisory Committee*, DST (Ministry of Science & Technology); *Expert Committee on Orthopedic Devices*, Bureau of Indian Standards; *Vice President, Governing Council* of CMTI, Bangalore; *Undergraduate Engineering Board*, AICTE; and academic boards of several institutes. He is a Fellow of the Institution of Engineers, associate editor of Indian Foundry Journal and Sadhana, and review board member of many international journals.

Prof. Ravi is committed to indigenous product innovation, and enhancing the employability of engineering students in the manufacturing sector.