

Vivek V. Ranade



Contact Information:

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Current Interests

- Turbulent Multiphase Flows, Chemical Reactor Engineering
- Industrial Flow Modeling, CFD

Education

- PhD, Chemical Engineering, University of Bombay (UDCT), 1988.
- B. Chem. Eng., University of Bombay, Department of Chemical Technology (UDCT), 1984.

Experience

- 1990-2004: Scientist at National Chemical Laboratory. Drives fundamental research on turbulent multiphase flows, reactor engineering and computational modeling of industrial flow processes. Successfully completed several industrial contract research and consultancy assignments from the leading multinational and Indian industries.
- Since 2003: Adjunct Professor of Chemical Engineering at UICT, Mumbai
- 1997-98: Guest Researcher at Twente University of Technology, The Netherlands. Worked on dynamics of gas-liquid reactors.
- 1993-94: Guest Researcher at Delft University of Technology, The Netherlands. Worked on computational modeling of gas-liquid reactors.
- 1988-90: Research Associate at Swiss Federal Institute of Technology, Zurich, Switzerland. Worked on modeling of turbulent reactive mixing.

Achievements

- CHEMTECH “Outstanding Contribution” Award (Chemical Engineering), 2005
- Fellow of Indian National Academy of Engineering, 2005
- Shanti Swarup Bhatnagar Prize in Engineering Sciences, 2004
- Herdillia Award for Excellence in Basic Research in Chemical Engineering, 2004
- AVRA Young Scientist Award, 2003
- Fellow of Maharashtra Academy of Sciences, 2001
- Swarnajayanti Fellowship, 1999
- INAE Young Engineer Award, 1996
- Young Associate of Indian Academy of Sciences, 1994
- CSIR Young Scientist Award, 1992
- Publications in peer-reviewed international journals: > 60; Conferences: > 65
- Book: 1 (CFM for CRE, Academic Press, London, 2002)
- Workshops on Computational modeling/ reactor engineering: 5