


The Vanguard Lecture

Guest	Dr. Biswadip Shome Director Simulation Based Design Global Technology and Engineering Center Whirlpool Corporation Pune	
Date	12 March 2018	
Lecture Title	Simulation Based Design and it's Application in various Industry Sectors	
Abstract	<i>Simulations are increasingly being used to drive product design in multiple industrial sectors ranging from Automotive to Aerospace to Home Appliances. A few specific examples would be presented to highlight use of Statistical methodologies such as Design of Experiments in conjunction with simulation techniques to drive multi-attribute product optimization and use of multi-physics simulation to solve complex aero-acoustic problems in industrial applications.</i>	
Attendees	<i>I Year ME B.Tech. Students + II Year ME B.Tech. Students + III Year ME B.Tech. Students + M.Tech. ME Students + Ph.D. ME Students + Any other interested student + All faculty members are cordially invited</i>	
Venue	Seminar Hall, Ground Floor, Mechanical Engineering Building	
Time	11:00 – 12:30 Hrs. 60 minutes lecture + 15 minutes interaction + 15 minutes Questions & Answers	

Speaker's Bio-data

Dr. Biswadip Shome is currently Director of Simulation Based Design at Global Technology and Engineering Center – Whirlpool Corporation based at Pune. In this role, he leads a 165 member simulation team and is responsible for simulation based design of all Whirlpool appliance product lines.

Prior to joining Whirlpool, Dr. Shome worked at TATA Technologies as Head of Aerospace Design and Validation and at General Electric Company (USA) as Technical leader for Gas Turbine Combustion systems. At TATA Technologies, he was responsible for world-wide delivery of all design and simulation projects and was instrumental in establishing several Centers of Excellence in CFD/CAE for Global Aerospace, Automotive, and Industrial Heavy Machinery OEMs. At General Electric Company (USA), Dr. Shome led multi-year advanced technology programs for gas turbine combustion systems.

Dr. Shome holds a Ph.D. degree in Mechanical Engineering from Rensselaer Polytechnic Institute (USA), where he specialized in Enhanced Heat Transfer. He carries more than 22 years of experience in thermo-fluid and CFD activities, has over 30 publications in international journals and conferences, and had served as keynote speaker at multiple technical conferences and trade association meetings.