

2006 Shot Peeners of the Year

Congratulations to **Kumar Balan** and **Dr. John Cammett**, our 2006 Shot Peeners of the Year. Mr. Balan was chosen for his considerable training and presentation skills, his thorough understanding of the shot peening process, his facilitation of compliance to specifications and audit criteria through equipment design, and his promotion of the benefits of shot peening by contributing articles to publications including *The Shot Peener* and *Gear Product News*. Mr. Balan is bringing a new level of enthusiasm and energy to our industry.

Dr. John Cammett is one EI's favorite workshop and on-site training presenters. Students enjoy his humorous anecdotes and real-life experiences—his ability to share his expertise in such a enjoyable format is one of the reasons he was elected as a Shot Peener of the Year. Dr. Cammett is one of the greatest minds in the industry and he has been a tremendous asset in the private sector and the military.

Mr. Balan and Dr. Cammett have the rare ability to share their industrial experience with others through teaching, training and writing. The awards were presented at the Shot Peening Workshop and trade show in Indianapolis. The following biographies highlight the accomplishments of these two important contributors to shot peening.



Kumar Balan is employed by the Wheelabrator Group, Burlington, Ontario in Applications, Sales and Marketing. Kumar has a Master of Business Administration degree from York University, Toronto and a Bachelor of Mechanical Engineering, from India. Kumar's initial employment with

Wheelabrator Corporation was in 1990 in Bombay, India, where he worked as a Design and Applications Engineer. Kumar directed a team of six engineers at the Wheelabrator Corp. for 'concept to commissioning' of Asia's first automated Rail Car Shot Blasting Plant for the Indian Railways. Kumar has also been employed by the Pangborn Corporation, India as an Applications Manager where he was also responsible for technology transfer. During 1995-2000, Kumar worked for Blastworks Inc., a Canadian company that specialized in Automated Airblast Machinery. After a detour in Industrial Automation relating to robotic material handling systems and CNC Fabrication machinery, in July of 2004 Kumar returned to the Wheelabrator Group in Burlington, Ontario where he now handles Applications, Sales and Marketing of Automated Airblast equipment to the North American market.

Dr. John Cammett has served a total of thirteen years at the Naval Aviation Depot in Cherry Point, NC., and is currently Metals and Ceramics Branch Chief in the Materials Engineering Division. In addition to managerial responsibilities, Dr. Cammett's technical activities with the Navy currently include: Analysis of aircraft component failures, development of repair/rework process methods and technical support of depot manufacturing operations. He is also involved in manufacturing technology investigations to determine feasibility for application to depot activities. Stemming from long time interest and involvement

in machining and surface finishing/processing technology, Dr. Cammett is a consultant to and serves as workshop instructor for Electronics, Inc. in the area of shot peening. In a recent sabbatical hiatus from employment with the Navy, he worked with Lambda Research, Inc. on research and development of low plasticity burnishing. Dr. Cammett was employed for 20 years with Metcut Research Associates in fatigue, fracture mechanics, residual stress measurement, metallurgical research and failure analysis. He worked five years at the General Electric Company specializing in fatigue, low cycle fatigue and fracture mechanics properties of aircraft engine materials. He received his BS and MS in Metallurgical Engineering from Ohio State University and his PhD in Metallurgical Engineering from the University of Cincinnati. A Registered Professional Engineer, Dr. Cammett is a fellow of ASTM, past Chairman of Committee E-9 on Fatigue, past Chairman and life member of ASM International and member of the International Committee for Shot Peening.



Dr. John Cammett and Jack Champaigne