

Remembrances of Scott Goodspeed

Scott Goodspeed was a great friend and a loyal colleague. During our time as professors at Stony Brook University Scott was there when we needed him, both as a gracious (complimentary!) supplier of materials for our research studies and sage advice on all matters, professional and personal. He would give us leads of who was giving what away, and he told us first. I used to think that Scott felt sorry for our then very tight finances. I eventually realized that he really liked our gang and the University. When Scott walked into a room his personality lowered the stress level (and it was quite high with us in those years). His humor and good nature were infective. Scott's "Let's go to lunch" was what we looked forward to because we knew that a relaxing hour was imminent.

As anyone in the industry who knew Scott would attest, he was always ready with professional help and a kind word. His knowledge of thermal spray technology was both comprehensive and wide ranging. He knew so many secrets of the trade and people within it, that he was a font of knowledge on equipment, materials and methods. His was a happy life. He loved to talk about Maine, in that "down south" accent, and of

his family and home: the kids and what they were doing – a proud and doting father. He told us of the business Cheri and he had to give up and their relocation to a lake in Maine.

In asking if this were difficult for him, you would get the typical Scott-like reply: A shrug of his shoulders and a vague smile that said "That's life". He was rarely perturbed and if we were smart enough to learn from him, we would have been happier people.

Scott put many miles on his SUV going from his numerous business stops to home in Maine. If he had worries, you would never know. During one lunch in particular, with his then sidekick and dear friend Dennis Hewitt, after covering the latest gossip, we discussed long distance driving. The exact words of his response are now gone, but in essence he responded that "...I love the freedom of the road, and, anyway, it's a living."

Some people come into our lives and quickly go. Some stay for a while and leave footprints on our hearts. And we are never, ever the same.

-Herb Herman and Sanjay Sampath



CTSR earns another outstanding paper award from JTST

Following the 2009-2010 recognition of CTSR's work with the JTST Best Paper Award, CTSR's work received another notable accolade from JTST in 2010-2011. Prof. Sampath's review article "Thermal Spray Applications in Electronics and Sensors: Past, Present and Future" was recognized as an Outstanding Review Paper by the journal. One judge stated "The paper gives a comprehensive and convincing overview

of the range of coatings that can be used to manufacture electronic circuits and sensors". We thank the JTST awards committee for recognizing CTSR's contributions. This is indeed an inspiration to the team to continue to elevate its thinking and more notably effective documentation of the research into peer reviewed publications.

Alumni Focus: Dr. Ravi Shankar

In this year's newsletter, we are pleased to recognize one of our distinguished alumni, Dr. Ravi Shankar, Director, Coating and Process Technologies, Chromalloy Gas Turbine LLC, in Orangeburg, NY. Ravi was one of the "early" graduates of the Stony Brook thermal spray program, obtaining his PhD in Materials Science & Engineering under the tutelage of Prof. Herbert Herman in 1984. Born in India, Ravi completed his Bachelor's degree in Metallurgical Engineering from the prestigious Indian Institute of Technology in Madras, prior to moving to the US. At Stony Brook his research focused on studying relationships between structure and properties of ceramic coatings. Ravi shed some early light relative the complexities of modern day TBC coatings. He pioneered the use of neutron diffraction and acoustic emission in the study of phase relations and microcracking. Ravi's work was not only seminal but highly innovative and brought much needed materials science into industrial plasma sprayed coatings.

Upon completion of his PhD, Ravi went on to join the NY division of Chromalloy in Orangeburg, NY and has been a loyal and effective contributor to Chromalloy's coating de-



velopment. His pioneering spirit continued at Chromalloy; Ravi led the development efforts that resulted in the establishment of the world's first EB-PVD TBC coater which went into full scale production in 1988. At Stony Brook, Herman and his colleagues fondly chided him a "turn-coat" as he favored the competitive EB-PVD process over the thermal spray: the religion of Stony Brook graduates.

During the next ten years, Ravi worked on all aspects of aero and industrial coatings with significant contributions to both plasma spray and diffusion aluminide coatings. In 1998 he moved the repair side of the business extending his reach in to brazing, welding, laser drilling, EDM etc., enhancing the full scale turbine repair and coating technologies at Chromalloy. Along the way he became the Designated Engineering Representative of FAA providing him unique authority in approving technical data.

In 2008 soon after Chromalloy became part of the Carlyle Group, a private equity firm, he was elevated to his current position as Director of Coating and Process Technologies as a part of the Corporate Technology Group. Ravi lives in Mahwah, NJ and enjoys playing golf and traveling.