Dr. Matthew (Matt) A. Stough
Manager, Research – Solid-State Lighting
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Dr. Stough manages Research in Solid-State Lighting for OSRAM's global research and is located at its largest location in Beverly, MA. His mission is support to all lighting technology business units engaged in solid-state lighting solutions with heavy emphasis on future platforms and innovations that reduce cost while providing quality performance in an SSL solution. His portfolio extends from materials and component projects with business unit OSRAM Opto Semiconductors, to lighting modules and systems projects with OSRAM SYLVANIA Professional, Consumer, and Specialty Lighting units. In 2007, he spearheaded a $5M renovation in Central Research NAFTA (Beverly, MA) to modernize facilities, equipment, and technical talent necessary to grow SSL solutions.

Prior to the strong advent of solid-state lighting through LED technology circa 2004, he managed Research in Materials Science and Analysis for OSRAM global research across all lighting technologies (incandescent, halogen, low pressure fluorescent, and high pressure discharge).

In 2001, he served a corporate R&D Master Black Belt in Design for Six Sigma for OSRAM SYLVANIA, training and driving design/development methodology through the General Lighting and Precision Materials business unit R&D staff. He also serves an adjunct role on the OSRAM SYLVANIA Quality Council. In 2003, Stough was among a group of employees awarded the SIEMENS top+ Award for cost effectiveness as part of the Six Sigma core team.

Stough joined OSRAM SYLVANIA in 1997, as a member of the ceramics development team in Exeter developing high pressure discharge lighting envelopes by creating a process for highly translucent, high volume manufacture of complex shaped optical ceramics.

He received a Master of Science in materials science and engineering and a Doctorate degree in materials science - ceramics from The Pennsylvania State University. He also spent a year and a half researching the solid solution and diffusion kinetics of the zirconia/alumina system at Oak Ridge National Laboratory in Tennessee.

He holds two bachelor's degrees in ceramic science and engineering and natural science - physics. He is a member of the American Ceramic Society and the American Society for Quality, holds two patents, and has authored several technical papers.