



**Dr. Robert Karlicek**

Dr. Karlicek is a well-known innovator and manager with extensive industry experience in technology management, new product development, and strategic business planning. He is the president and founder of Acton, Mass.-based SolidUV Inc., which develops high-power ultraviolet LED systems for industrial curing applications in printing, coating, electronics, packaging, and assembly operations. From 2005 through 2008, he served as chief scientist and VP for research at Luminus Devices in Woburn, Mass., where he led an interdisciplinary team of scientists and engineers in the development of advanced photonic crystal LED devices and other LED-based system designs.

Prior to this, Dr. Karlicek worked for more than 25 years in R&D and manufacturing of opto-electronic devices with industry leaders including AT&T Bell Labs, EMCORE, GE, Gore Photonics, and Microsemi. His primary research focus has been developing holistic approaches to solid state lighting and related LED applications, including advanced thermal management technologies, new approaches to chip and packaging integration, as well as color control and LED systems in large-scale lighting and industrial applications.

Dr. Karlicek's technical contributions include more than 40 authored or co-authored papers in peer-reviewed technical journals, 24 issued U.S. patents, and numerous invited talks and workshop presentations. He is a member of the IEEE, OSA, American Chemical Society, and Radtech.

He received his Ph.D. in Physical Chemistry at the University of Pittsburgh and his B.S. in Chemistry at Elmhurst College in Illinois.