

BRIAN G. JAMIESON

President, Scientific & Biomedical Microsystems, Columbia, Md.



Brian G. Jamieson, Ph.D. is the founder and president of SB Microsystems, a private firm that develops highly miniaturized sensor systems for medical applications, defense, homeland security and consumer products. Brian is particularly interested in the application of micro- and nano-technology to challenging problems in medicine, biology, and science. He received a BS in Physics from Yale in 1991, and graduate degrees from the University of Michigan (M.S. in Electrical Engineering [2000], Ph.D. in Biomedical Engineering [2003]). Brian's thesis focused on improving practical aspects of the use of silicon neural probes in neurophysiology research, and resulted in the first report of reliable long term *in vivo* neuronal recordings using active (integrated CMOS) neural probes. From 2002-2006 Brian served as the MEMS Group Leader at NASA's Goddard Space Flight Center working on instrument miniaturization to support NASA's science directorate in developing analytical instruments for unmanned space missions. He also initiated a lab-on-a-chip program to develop micro-fluidic platforms for space-based assays and astronaut health monitoring. Brian left NASA in 2006 to found Scientific & Biomedical Microsystems (www.sbmicrosystems.us), which currently employs 15 and is located in Columbia, MD.

Brian serves as an industrial advisor to the Georgetown University Graduate Physics Program and is a Steering Committee member and former chairman of the Mid-Atlantic MEMS Alliance, a consortium of government agencies, private companies and Universities dedicated to the commercialization of miniaturization technologies. Brian has an interest in science education, leading after school and summer science experiences for elementary schools students in Anne Arundel County and elsewhere, and he sits on the Science Advisory Board of the Maryland Science Center and Maryland Academy of Sciences.