

Paul Gerrish,
Director Technology Development, Technical Fellow
Implantable Microsystems Technology Group
Medtronic Microelectronics Center, Tempe Arizona USA

Biography:

Paul has served in his present role as Medtronic Microelectronics Center (MMC) Technology Director, since January 2008. In this role, he is responsible for technology development, design automation and product development for New Therapies and Diagnostics within the CRDM business unit of Medtronic. The MMC technology organization includes over 90 personnel with competencies in developing and supporting next generation technologies and design environments for integrated circuits, electronic packaging and sensors, brought together to enable system solutions across multiple business units of Medtronic. They are energized by the belief that there is still tremendous opportunity for hardware solutions to contribute toward making a difference in improving the lives of people worldwide.

Paul has been with Medtronic in Tempe for the last 22 years. During that time he has served in a variety of positions in product, IC design, semiconductor device and technology development, where he has made contributions to all IC fabrication processes developed for Medtronic over the past 20 years. This included serving as the primary liaison between Medtronic's IC design community to both internal and external foundries for more than a decade and work as a scout for new sensors, components, and IC technology joint development opportunities prior to taking on the role of technology director.

In 2004, Paul was recognized for his technical contributions to the corporation in developing reliable, ultra low power IC processes and design environments, as a Medtronic technical fellow, and in 2005 with his election to the Bakken society, Medtronic's highest technical award. He holds 3 issued US patents and several pending.

Paul holds a BSEE in Electrical Engineering from the University of New Mexico, and an MSE degree in Electrical Engineering from Arizona State University, with an emphasis in solid state physics. He lives in Phoenix, AZ with his wife and three children.