

Building Better Batteries for the Body

Wednesday, October 11

2:00 - 3:00 p.m.

RNS 210

Cookies and Apple Cider Served!

Very often, successful products require contributions from a variety of disciplines. This talk discusses how physics, electrochemistry and materials science come to bear to solve a special problem: creating a very high performance battery to supply power for medical devices implanted in the human body.

Erik Scott '87

Bakken Fellow, Technical Fellow and Director of Advanced Development at Medtronic Incorporated, Restorative Therapies Group.

Erik leads the creation of new platforms for implantable neurostimulators at Medtronic Inc. These platforms enable advanced therapies and features for the patient while exploiting advances in miniaturization of electronics, power sources and mechanical packaging technologies. He has over twenty years of experience in device design for a variety of implanted medical devices, and was the technical lead for Medtronic's first two generations of implantable lithium ion battery technology. Erik has a Ph.D. in Material Science from the University of Minnesota and a BA in Physics and Mathematics from St. Olaf College. He has over 50 patents issued/published and over 40 technical publications.

