



Gun Violence Prevention Challenge Summit & Hack-a-thon

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Shiva Sinha is a senior electrical engineer with Medtronic's Restorative Therapies Group. Shiva joined Medtronic in his current role in 2014 after spending the first 8 years of his career in physics departments at Princeton and Indiana University. Shiva's project work at Medtronic includes design and development of firmware (FPGA, CPLD, DSP) for electromagnetic localizers in surgical navigation systems, technology assessment for improved user interfaces, and software development for integrated operating rooms systems. Shiva's expertise and medical device industry experience include electrochemical systems, corrosion, lithium batteries, stimulation electrodes, and medical device sensors.

Shiva is co-author on a book chapter on auditory processing, co-author on 7 peer reviewed journal articles, and is author on more than 30 conference abstracts. Shiva is involved in organizing the US Medtronic Science & Technology Conference, and is the co-organizer of the Medtronic Asian Healthcare Innovation Competition. Shiva has taught previously at the Marine Biological Laboratories, and leads the Asian Employee Resource group in Colorado. Shiva holds a PhD in Neuroscience from the University of Maryland College Park.