

Wireless Power Transfer – from Science Fiction to Reality

**Dr. Chris Mi,
Distinguished Professor and Chair of the Department of Electrical and
Computer Engineering**

Abstract:

Over the past 100 years, scientists have been searching for solutions to realize wireless power transfer reliably and efficiently. Their goal? A tether-free world. It is only in the past ten years that this has become reality. With the help of semiconductor devices, electromagnetic materials, and microcomputers, we can now not only charge a cell phone wirelessly, but we can also charge an electric car or a humongous electric ship without plugging it in. In this talk, Professor Chris Mi will look at how his work has made wireless power transfer cheaper, faster, safer and more efficient, enabling cable-free conference rooms, battery-less drones, and factories populated by untethered robots and autonomous vehicles.

Chris Mi