

## Media Release

### Chiefs of Staff, News Directors

Tuesday 5 May 2015

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## Wireless power transfer: Could you leave your AC adapters at home?

Fulbright Distinguished Chair in Advanced Science and Technology Professor Richard W. Ziolkowski will present a free public lecture at the University of Tasmania tomorrow night (**Wednesday 6 May**).

Professor Ziolkowski is the 2014-15 Fulbright Distinguished Chair in Advanced Science and Technology, sponsored by DSTO.

Most people would agree we want instantaneous access to the web, to broadband, to video and to each other – on demand. On the other hand, most of us are not using our wireless devices all the time.

While we think of light as something "optical", it too is nothing but a set of electromagnetic waves – but at different frequencies. When there is sunlight, we are immersed and interacting with a whole set of these waves. These are examples illustrating that there is electromagnetic power available all around us – all the time or intermittently. Can it be harvested efficiently for other applications?

Professor Ziolkowski will describe how metamaterial constructs are improving our capabilities to do power harvesting and to enable wireless power transfer.

#### **Event details**

**Who:** All are welcome to this free public lecture.

**What:** 2015 Fulbright Annual Lecture, "Wireless Power Transfer."

**When:** 5.15pm, Wednesday 6 May 2015.

**Where:** Stanley Burbury Theatre, University of Tasmania Sandy Bay campus, Churchill Avenue.

**RSVP:** [www.events.utas.edu.au](http://www.events.utas.edu.au) or (03) 6226 2521.

*This lecture is presented in partnership with the Australian-American Fulbright Commission.*

#### **Information released by:**

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