

Quantum physics in your light bulb: a colourful story

Dr. Kris Poduska

Department of Physics and Physical Oceanography
Memorial University of Newfoundland

DATE: Monday, April 6, 2015

TIME: 3:00 PM

PLACE: C2045

ABSTRACT: A white light bulb is just a light bulb...or is it? Edison's incandescent bulbs are now a thing of the past, and solid-state lighting, which is based on inorganic or organic light emitting diodes (LEDs or OLEDs), is gaining popularity. This talk will shed light on the many aspects of quantum physics that are required to produce white light from an LED-based bulb. Along the way, you'll also see why the human perception of light and colour plays a critical role in the evolution of this technology.

ALL ARE WELCOME!!!