

Generating Near-Infrared Chiral Light, and other Hot Circularly Polarized Luminescence

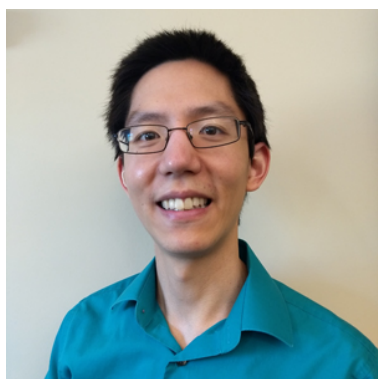
Seminar

Monday,
February 24, 2025

3:00 – 4:00 p.m.

Beaupre Center,
Room 105

Circularly polarized luminescence (CPL) is the emission of light with preferential right- or left-polarization states (~chiral light). CPL has emerged as a next-generation light source since the added chiral optical information presents unique opportunities to enhance optical displays, bio-imaging, security features for banknotes and identification documents, and quantum networks. CPL spectroscopy is also a unique tool to study the fundamental electronic structure of excited states. We will show that a combination of synthetic and spectroscopic work on 4f and 5f elements can unlock some of those promising applications.



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