



**IEEE**

## Arrowhead Section Event Notice

Date / Event:

**Wednesday, March 16, 2016**

Dinner & Prosthetic Hand Presentation

**Guests are welcome!**

Time:

6:30 pm – Meet & Greet social

7:00 pm – Dinner from event menu  
Presentation follows dinner

**Reservations by Noon, Tuesday, March 15<sup>th</sup>**

Bruce Howell at [brucehowell@ieee.org](mailto:brucehowell@ieee.org)

218-343-5546 (leave message)

Dinner & Presentation Location:

Tycoons Ale House, 132 E. Superior Street  
Duluth, MN, 55802 – 2nd floor Mtng room

There has been a recent explosion of open-source 3D printable prosthetic limb models including human hands with articulating fingers. Two UMD students will present an open source artificial hand design complete with a rudimentary electromyography interface to detect electrical skeletal muscle activity used to control some of the limb's motion. This artificial hand prototype was produced using a student's own 3D printing system. This project will also be displayed at the Student Design Showcase at the "Design of Medical Devices" conference in April.

Arrowhead Section Officers: **Chair:** Terence Larson; **Vice Chair:** Vacant; **Sec/Treas:** Bruce Howell