

**Congress of the United States
House of Representatives
Washington, D.C. 20515**

June 12, 2013

Dear Colleague:

On behalf of the **Congressional Research and Development Caucus**, we would like to call your attention to a briefing sponsored by IEEE-USA's Research & Development Policy Committee:

A Revolution in Prosthetics

Tuesday, July 9, 2013

12:00 noon - 1:30 PM ~ Lunch will be served.

2325 Rayburn House Office Building

Please RSVP to Bernadette Concepcion at b.concepcion@ieee.org

(This is a widely attended public event)

Since 2001, over 1,500 Americans have lost a leg or arm in combat, with hundreds suffering the loss of multiple limbs. For those who have lost an arm, the currently available prosthetics are limited, resulting in many arm amputees choosing not to wear a prosthetic. That is why, since 2006, the Defense Advanced Research Projects Agency (DARPA) has invested in a revolutionary, brain controlled prosthetic arm. The primary objective of this effort is to enable amputees to regain much of the capability of the natural arm, including the sense of touch. Advances in neuroprosthetics are also creating opportunities to improve the quality of life for persons who are unable to use their natural arm due to paralysis. This briefing will discuss the advancements made and demonstrate the capability of the Modular Prosthetic Limb (MPL). In addition, technology developed under this program has already been applied to robotic systems for use in manipulating unexploded ordinance, with the goal of keeping soldiers out of dangerous situations that may lead to limb loss. For more information visit www.jhuapl.edu/prosthetics.

Featuring:

Mike McLoughlin

Deputy Business Area Executive, The Johns Hopkins University Applied Physics Laboratory

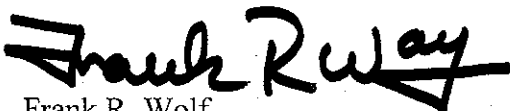
Albert Chi

Assistant Professor, The Johns Hopkins University School of Medicine

Johnny Matheny

Amputee Patient

Sincerely,



Frank R. Wolf
R&D Caucus Co-Chair



Rush Holt
R&D Caucus Co-Chair