



in conjunction with
Rep. Rush Holt (D-NJ) and Rep. Frank Wolf (R-VA)
Co-Chairs, Congressional Research and Development Caucus

CORDIALLY INVITE YOU TO ATTEND A BRIEFING ON

A Revolution in Prosthetics

Since 2001, over 1500 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. 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.

We will discuss the achievements of this effort and in live demonstration, a prosthetic user will show 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

Tuesday, 9 July 2013 **12:00 – 1:30pm PM**
Rayburn House Office Building Room 2325

INTRODUCTION

Charles Goldblum

Business Area Executive

The Johns Hopkins University Applied Physics Laboratory

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

Boxed Lunches will be provided. RSVP to Bernadette Concepcion at b.concepcion@ieee.org