

Title: Revolutionizing Prosthetics 2009 (RP2009) Program

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Abstract: The technology for upper extremity prosthetics has advanced very little since ancient times. Until very recently, “prosthetic devices have been constructed of basic materials, such as wood and metal, and held to the body with leather attachments.” The Defense Advanced Research Projects Agency (DARPA) is funding an ambitious effort to develop advanced prosthetics for our wounded Warfighters. The Revolutionizing Prosthetics 2009 (RP2009) program is developing a highly dexterous prosthetic arm that will ultimately connect directly to the peripheral or central nervous system, thus providing the user with capabilities to do day-to-day activities. This presentation will give an overview of the RP2009 program and describe the progress that has been made to date.