

The Revolutionizing Prosthetics program was a multi-year, multi-million-dollar enterprise aimed at producing a new generation of upper-extremity prostheses. The Johns Hopkins University Applied Physics Laboratory formed and led an international team of more than thirty corporate, government, and academic partners to develop a system to mimic and replace the human limb. It was an enormous scientific research and development effort involving many exciting new technologies. This special issue of the *Johns Hopkins APL Technical Digest* begins to chronicle the extraordinary achievements of the program and highlight many of its challenges, successes, and derivative technology applications.

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