



LEIDOS AND USC VITERBI SCHOOL OF ENGINEERING'S INFORMATION SCIENCES INSTITUTE SUPPORT SCIENTIFIC ADVANCEMENTS THROUGH COLLABORATIVE TECHNICAL RESEARCH PROJECTS

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(Reston, Va. and Los Angeles, Calif.) November 23, 2015 – [Leidos](#) (NYSE: LDOS), a national security, health and engineering solutions company, and the [USC Viterbi School of Engineering's Information Sciences Institute](#) are collaborating on two important research efforts aimed at achieving significant advances in the fields of network analysis and high performance computing. These collaborative projects represent areas which are poised for scientific growth and were chosen based on their high technical value and potential impact on national security.

The first initiative will examine existing network analysis tools to create new algorithms to identify additional, hidden or latent connections present in networks and knowledge graphs. These insights are based on advancements in deep learning, a process through which a machine teaches itself to solve problems using algorithms and data layering. The results of this work will enable an increased data analysis capability for companies in a wide range of sectors, including national security, healthcare, logistics, and energy.

The second research project will focus on the performance of natural language processing (NLP) algorithms on advanced computer hardware such as field programmable gate arrays (FPGA), which are configurable circuits. This research will provide immediate and long-term benefits to a number of operational as well as research and development customers, especially those relying on high performance computing technologies or those with massive datasets requiring analysis.

Research funding for both projects is provided through a [grant](#) donated by Leidos, formerly known as Science Applications International Corporation (SAIC).

"At Leidos, one way we bring innovative solutions to our current and future customers is through our partnerships with universities," said Dr. Gulu Gambhir Leidos Chief Technology Officer. "Our alliance with USC and the cutting edge work they do allows us to remain on the forefront of technology, while also inspiring the next generation of engineers and scientists."

"The collaboration with Leidos is an exciting new opportunity for researchers at the USC Information Sciences Institute to exert significant real-world impact by helping to develop innovative solutions to important scientific challenges that cut across multiple industries," said Dr. Premkumar Natarajan, executive director of the USC Information Sciences Institute and vice dean of engineering in the Viterbi School. "We are grateful to Leidos for their visionary investment in this collaboration with the USC Viterbi School of Engineering."

About Leidos

Leidos is a science and technology solutions leader working to address some of the world's toughest challenges in national security, health and engineering. The Company's 19,000 employees support vital missions for government and the commercial sector, develop innovative solutions to drive better outcomes and defend our digital and physical infrastructure from 'new world' threats. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately \$5.06 billion for its fiscal year ended January 30, 2015. For more information, visit www.Leidos.com.

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