

SOUTH

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I FLORIDA

July 1, 2008

Sherry L. Campion

15 Army Drive

Contracting Division

Aberdeen Proving Ground MD 21020-5401

at United States Army, Aberdeen Proving Ground, Maryland

by, the Principal Investigator for the research project titled "Development of a Robotic System for the Rehabilitation of the Human Hand". I am requesting that you please contact me regarding this position. I am currently a Professor and Chair of the Department of Mechanical Engineering at the University of Florida. I am also the Director of the Center for Robotics and Telemanipulation.

include rehabilitation robotics and telemanipulation

for research in the areas of rehabilitation, prosthetics, space and underwater, nuclear waste management, smart electrical/mechanical systems and mechatronics, dynamic systems and

management, smart electrical/mechanical systems

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Sincerely,

[Signature]

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Title: Rehabilitation and Assistive Technologies to Improve the Quality of Life of Individuals with Disabilities

University: University of South Florida (USF)

Appropriations Bill: Department of Defense (DOD)

Agency: Medical Command (MCMC), Telemedicine Research, and

Process Agency: DOD

Amount Requested FY: 2001

Division: Army Research Office

School of Physical Therapy & Rehabilitation Sciences

...times due to ...logy for individuals with reduced functional capabilities to lead the development of this technology due to strong Robotics & Rehabilitation Engineering), Medicine (Physical ...minn Art ...the have developed a platform which engineers and ...actioners and artists to provide a unique structure for applied ...of life ...

Benefits: The most current data compiled in 2003 by the U.S. Department of Commerce Bureau of Industry and

...totalled \$2.87 billion in 1999. This number is growing at a rate of 15.20% annually. The U.S. has a large population of military veterans and civilian retirees

...including those with amputations

...increased employment among people with disabilities of a highly skilled, high-wage workforce 3) ...area, 4) technology transfer to similar products being

...and training of individuals in emerging technology as leaders in rehabilitative & assistive technologies

...g. ground-breaking assistive and rehabilitative technologies in ...nication & Sensory Aides, 3) Community & Environ ...and 6) Societal Policy & Funding.

...lead to self-sustaining funding after three years. The initial ...from various government agencies such

as DoD, DHS, DoE, NIDRR, NSF, NIH, NASA, and the private research and have received over \$12.5 million dollars commercialization of new technologies when an addition

Contacts:

Dear College of Engineering - 813-257-4377

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**Budget Justification for "Rehabilitation and Assistive Technologies to Enhance the Quality of Life of Individuals with Disabilities"**

The budget reflects the staffing and equipment of research, training, and product development will assist in the successful realization of the College of Media and Design (CoE), SPT&RS, and College of Visual & Performing Arts through space, equipment and supplies and travel and publication costs equipment and supplies.

previous cooperation and proposed project terms. The research and training and testing equipment project goals. The collaborators, College of Engineering and Technology for Rehabilitation Services (SPT&RS) have made significant commitments to this research project. The project will be supported by personnel and doctoral fellows. Additional support for publication costs.

**Large Benefits:**

**Other Direct Costs:**

Resources are requested for CoE, SPT&RS, and CoE for research related materials and supplies, and publication, documentation and dissemination costs. In addition, the graduate student assistantships are requested. The University of South Florida policy. Additional human subject payments are requested for token.

Category	Description	Amount	Notes
Personnel	Postdoctoral Fellow	\$188,889	(4 FTE)
Personnel	Graduate Student	\$220,000	(4 FTE)
Personnel	Undergraduate Student	\$416,000	(4 FTE)
Personnel	Technical Assistant	\$120,000	(2 FTE)
Personnel	Administrative Assistants	\$24,000	(1 FTE)
	Large Benefits	\$50,900	
	<b>Subtotal</b>	<b>\$1,149,876</b>	
Equipment	CoE, SPT&RS, and	\$2,500	
Travel	Domestic	\$3,000	
Publication		\$19,941	
		\$52,608	
		\$25,000	
	<b>Other Direct Costs</b>	<b>\$97,549</b>	
	<b>Total</b>	<b>\$2,000,000</b>	















