

Prior NSF Support--Corinna E. Lathan

PI on Current NSF Small Grant for Exploratory Research
IIS-9813548, \$75,000, Oct. 1, 1998-Oct 1, 1999

Title: Personal Augmentation Devices (PADs): Exploratory Agents To Enable Tele-Interaction, Evaluation, And Development Of Abilities In Persons With Severe Disabilities

The scope of this grant is the initial exploration and development of prototype personal devices, controlled by physiological signals, for the purpose of augmenting human function. The objective is to provide children, who have severe motor disabilities, a device that can navigate and manipulate the external environment under their control.

Number of Students Supported: 2 Graduate Students, 2 Undergraduate Students
Number of Papers Generated: 3 Conference Paper, 1 Journal in Progress, 1 Patent Pending

PI on Previous planning grant
IRI-9712526, \$18,000, Aug 15, 1997-December, 1998
Title: Quantitative assessment in complex multisensory human-interface environments

This is a planning grant to identify and assess advanced input and output devices associated with complex multisensory interfaces from a human computer interface design perspective and explore potential methods for measuring performance in environments that use these interfaces in the rehabilitation community.

Number of Students Supported: 1
Number of Papers Generated: 2 Conference Papers