

BIOGRAPHICAL SKETCH

DO NOT EXCEED 2 PAGES PER PERSON

- A. Vitae, listing professional and academic essentials and mailing address.
- B. List up to 5 publications most closely related to the proposed project and up to 5 other significant publications, including those being printed. Patents, copyrights or software systems developed may be substituted for publications. Do not include additional lists of publications, invited lectures, etc. Only the list of up to 10 will be used in merit review.
- C. A list of persons, other than those cited in the publication list, who have collaborated on a project or a book, article, report or paper within the last 48 months, including collaborators on this proposal. If there are no other collaborators, please indicate so.
- D. A list of the names of graduate students with whom this individual has had an association as thesis advisor and postdoctoral scholars sponsored by this individual over the past five years, with a summary of the total numbers of graduate students advised and postdoctoral scholars sponsored.
- E. The names of this individual's own graduate and postdoctoral advisors.

The information in C, D, and E is used to help identify potential conflicts or bias in the selection of reviewers.

A. Vitae

Corinna E. Lathan, Ph.D.
Assistant Professor of Biomedical Engineering
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PhD, Neuroscience, Massachusetts Institute of Technology, 1994
MS, Aeronautics and Astronautics, Massachusetts Institute of Technology, 1995
BS, Biopsychology and Mathematics, Swarthmore College, 1988

1995-Present Assistant Professor of Biomedical Engineering, **The Catholic University Of America**, Washington, D.C.

1995-Present Consultant to the Medical Staff, **National Rehabilitation Hospital**, Washington, D.C.

1996-Present Adjunct Assistant Professor, Department of Radiology, Imaging Science and Information Systems Center **Georgetown University School of Medicine**, Washington, D.C.

1993-1995 Research Fellow, **Center for Experimental Research**, **Georgetown University School of Medicine**, Washington, D.C.

Technology, Cambridge, MA.

1990-1994 Research Assistant, Massachusetts Eye and Ear Infirmary, Boston, MA.

1989-1990 Consultant, Department of Biomedical Sciences, **Universities Space Research Association**, Houston, TX.

1987 Staff, Ashton Graybiel Spatial Orientation Laboratory, Department of Psychology, **Brandeis University**, Waltham, MA.

Reviewer. International Journal of Human Computer Interaction, American Journal of Public Health, IEEE, Systems, Man and Cybernetics; Presence, Teleoperators and Virtual Environments.

Grant Reviewer. National Institute on Disability and Rehabilitation Research (NIDRR) (Panel Chair); National Science Foundation (Multiple Panels); National Institute of Mental Health, IRG: MHSB.

B. Selected Publications

Lathan, C.E., K. Cleary, and L. Traynor**, "Human-centered design of a spine biopsy simulator and the effects of visual and force feedback on performance," *Presence: Teleoperators and Virtual Environments*, MIT Press, Accepted.

Lathan, C.E. A. Kinsella, M. Rosen, J. Winters,* and C. Trepagnier, "Human Factors Engineering of Ho Telemedicine and Telerehabilitation Systems," *Telemedicine Journal*, In Press, June, 1999.

Lathan, C.E., M. Sebrechts*, D. J. Newman, and C. Doarn, "Heuristic Evaluation of a Web-Based Interface For Internet Telemedicine," *Telemedicine Journal*, In Press, June, 1999.

Lathan, C.E., D. Hamilton, M.S. Bogner, and A. Blanarovich.** "Human-centered design of home care technologies" *Neurorehabilitation*, 3:19-26, April, 1999.

Newman, D.J., and C.E. Lathan, "Memory processes and motor control in extreme environments," *IEEE Systems, man, and Cybernetics*, 29:3, August, 1999, In Press.

Clément, G. and C.E. Lathan, "Postural reactions induced by vertical motion of visual scenes and the effects of weightlessness," *Acta Otol.* 118:466-473. (1998)

Clément, G. and C.E. Lathan, "Effects of hypergravity on optokinetic afternystagmus and perceived direction of optokinetic stimulation," *Aviat. Space, & Env. Med.* 69: 583-589. (1998)

Clément, G., S.J. Wood, C.E. Lathan, R.J. Peterka, and M.F. Reschke, "Effects of gravity on visual-vestibular interaction. 1. Comparison between pitch motions around Earth horizontal axis and Earth vertical axis," *J. Vestib. Res.* 8:4:1-13. (1998)

Lathan, C.E., C.Wall III, and L.R. Harris, "Human eye movement response to z-axis linear acceleration: The effect of varying the phase relationships between visual and vestibular inputs," *Exp. Brain Res.* 103(2):256-266. (1995)

