Stacy Morris Bamberg

University of Utah, Department of Mechanical Engineering
http://www.mech.utah.edu/~sbamberg/

PROFESSIONAL PREPARATION

Massachusetts Institute of Technology	Mechanical Engineering	S.B.	1996
Massachusetts Institute of Technology	Mechanical Engineering	S.M.	1999
Harvard/M.I.T. Div. of Health Sciences and Technology	Medical Engineering	Sc.D.	2004

APPOINTMENTS

University of Utah	Mechanical Engineering	Assistant Professor	8/2004 - present
M.I.T.	The Media Lab	Research Assistant	9/2000 - 5/2004
Guidant Corporation		Summer Intern	6/2000 - 8/2000
Harvard/M.I.T.	Health Sciences and Technology	Teaching Assistant	1/2000 - 6/2000
M.I.T.	Mechanical Engineering	Teaching Assistant	9/1997 - 6/1998
M.I.T.	Mechanical Engineering	Research Assistant	9/1996 - 6/1999

FIVE SELECTED PUBLICATIONS *(as S.J. Morris or S.J.M. Bamberg)*

In submission: S.J.M. Bamberg, A.Y. Benbesat, D.M. Scarborough, D.E. Krebs, J.A. Paradiso, "Gait analysis using a shoe-integrated wireless sensor system," IEEE Transactions on Information Technology in Biomedicine (Special Issue on mHealth: Emerging Mobile Technologies for Health Applications).

S.J. Morris, "A shoe-integrated sensor system for wireless gait analysis and Real-Time Therapeutic Feedback," Sc.D. dissertation, Harvard/MIT Division of Health Sciences and Technology, Cambridge, MA, June 2004.

S.J. Morris, J.A. Paradiso, "A compact wearable sensor package for clinical gait monitoring," Motorola Offspring Journal, Volume 1, November 2002.

A.Y. Benbasat, S.J. Morris, and J.A. Paradiso, "Wireless modular sensor architecture and its application in on-shoe gait analysis," Proc. of the 2003 IEEE Int'l Conf. on Sensors, Toronto, Canada, Oct. 21-24, 2003.

J.A. Paradiso, S.J. Morris, A.Y. Benbasat, and E. Asmussen, "Interactive therapy with instrumented footware," Proceedings of CHI-2004 (Computer Human Interaction), Vienna, Austria, Apr. 24-29, 2004.

ONE ADDITIONAL PUBLICATION *(as S.J. Morris)*

S.J. Morris, J.A. Paradiso, "Shoe-integrated sensor system for wireless gait analysis and real-time feedback," Proceedings of the 2nd Joint Meeting of IEEE EMBS (Engineering in Medicine and Biology Society) and BMES (Biomedical Engineering Society), Houston TX, Oct. 23-26, 2002.

SYNERGISTIC ACTIVITIES

Course Professor, MEEN 3200 - Mechatronics I (2004 - present): Students develop skills for the analysis, modeling, and design of mechanisms and their related sensory devices, measurement techniques, and control systems.

Member, MIT Educational Council (2004 - present): Interview prospective MIT undergraduate students, inform the students about their possibilities, and provide MIT with an evaluation.

Member, Mechanical Eng. Public Relations Committee, University of Utah (2004 - present).

Student Member, Admissions Committee, Harvard/MIT Division of H.S.T. (2000 - 2003).

COLLABORATORS & OTHER AFFILIATIONS

Collaborators and Co-Editors:

David Krebs (The Massachusetts General Hospital), Joseph Paradiso (M.I.T.), Rosalind Picard (M.I.T.).

Graduate Advisors:

Sc.D. - Joseph Paradiso (M.I.T.), S.M. - Ernesto Cravalho (M.I.T.).

Thesis Advisor and Postgraduate-Scholar Sponsor:

Total: 0 M.S., 0 Ph.D., no Postgraduate-Scholar advisees.