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Dept. of Biomedical Engineering,
Shahid Beheshti University of Medical Sciences, Tehran, Iran

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Academic Appointments

Dept. of Biomed. Eng., Shahid Beheshti University of Med. Sc., Tehran, Iran
Assistant Professor
Lecturer

Aug 2016- Present
Jan 2015-Aug 2016

Education

University of New Brunswick, Fredericton, NB, Canada
PhD, Electrical Engineering, Inst. of Biomedical Engineering, 2010-2014

Shahid Beheshti University, Tehran, Iran
MSc, Electrical Engineering, 2004-2007

Sharif University of Technology, Tehran, Iran
BSc, Electrical Engineering, 2000-2004

Publications

Support Vector Regression for Improved Real-Time, Simultaneous Myoelectric Control

A. Ameri, E. Kamavuako, E. Scheme, K. Englehart, P. Parker
IEEE Trans. Neural Syst. Rehabil. Eng., vol. 22, no. 6, pp. 1198-1209, 2014.

Real Time, Simultaneous Myoelectric Control Using Force and Position Based Training Paradigms

A. Ameri, E. Scheme, E. Kamavuako, K. Englehart, P. Parker
IEEE Trans. Biomed. Eng., vol. 61, no. 2, pp. 279-287, 2014.

Real-time, simultaneous myoelectric control using visual target-based training paradigm

A. Ameri, E. Kamavuako, E. Scheme, K. Englehart, P. Parker
Biomed. Signal Proc. & control, vol. 13, pp. 8-14, 2014.

A comparison between force and position control strategies in myoelectric prostheses

A. Ameri, K. Englehart, and P. Parker
Conf. Proc. IEEE Eng. Med. Biol. Soc., vol. 2012, pp. 1342–1345, *San Diego, USA*.

Simultaneous and proportional estimation of multiple DOFs for myoelectric prostheses: a comparison between force and position control paradigms

A. Ameri, K. Englehart, and P. Parker.
Conf. Proc. ACCES17 & CMBEC, Jun 2012, Halifax, Canada.

Analytical methods for myoelectric control

A. Ameri, E. Scheme, K. Englehart, P. Parker
Conf. Proc. ISEK 2014, Rome, Italy.

Bagged regression trees for simultaneous myoelectric force estimation

Ameri, E. Scheme, K. Englehart, P. Parker
Conf. Proc. ICEE 2014, Tehran, Iran.

A Combinational Adaptive Noise Canceller Using Filter Bank

A. Ameri, A. Hejazi, et al.
Conf. Proc. the 6th IEEE ISPA, 2009, Salzburg, Austria.

Half-Zone Quantization Based Algorithm for Information Hiding

A. Ameri, M. Eshghi
Conf. Proc. the 5th IEEE IHH-MSP, 2009, Kyoto, Japan.

Semi-Reversible Quantization Based Data Hiding Using Missing Samples Recovery Technique

A. Ameri, M. A. Akhaee, F. Marvasti,
Conf. Proc. IEEE ICT, 2009, Marrakech, Morocco.

Speech Enhancement Using Affine Projection Algorithm in Subband

A. Ameri, M. Eshghi,
Conf. Proc. IEEE ICMCS, 2009, Quarzazate, Morocco.

Speech Enhancement by Adaptive Noise Cancellation in the Wavelet Domain

M. A. Akhaee, A. Ameri, F. A. Marvasti,
Conf. Proc. IEEE ICICS, 2005, Bangkok, Thailand.

Teaching Experiences

Digital Signal Processing (MSc)

Dept. of Biomed. Eng., Shahid Beheshti University
Spring 2015, Fall 2015

Advanced Biological Signal Processing (PhD)

Dept. of Biomed. Eng., Shahid Beheshti University
Fall 2015

Myoelectric Control of Prostheses (MSc, PhD)

Dept. of Biomed. Eng., Shahid Beheshti University
Spring 2016

Conference Presentations

ISPA (*Salzburg, Austria*), 2009

CMBEC (*Halifax, Canada*), 2012

EMBC (*San Diego, USA*), 2012

ICEE (*Tehran, Iran*), 2014

Professional Activities

Reviewer, *IEEE Trans. Neural Syst. Rehabil. Eng.*, (2013-Present)

Member, *IEEE* (2010-Present)

Member, *CMBES* (2010-2015)

Languages

English, Fluent

Persian, Native