

# IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING

A PUBLICATION OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY



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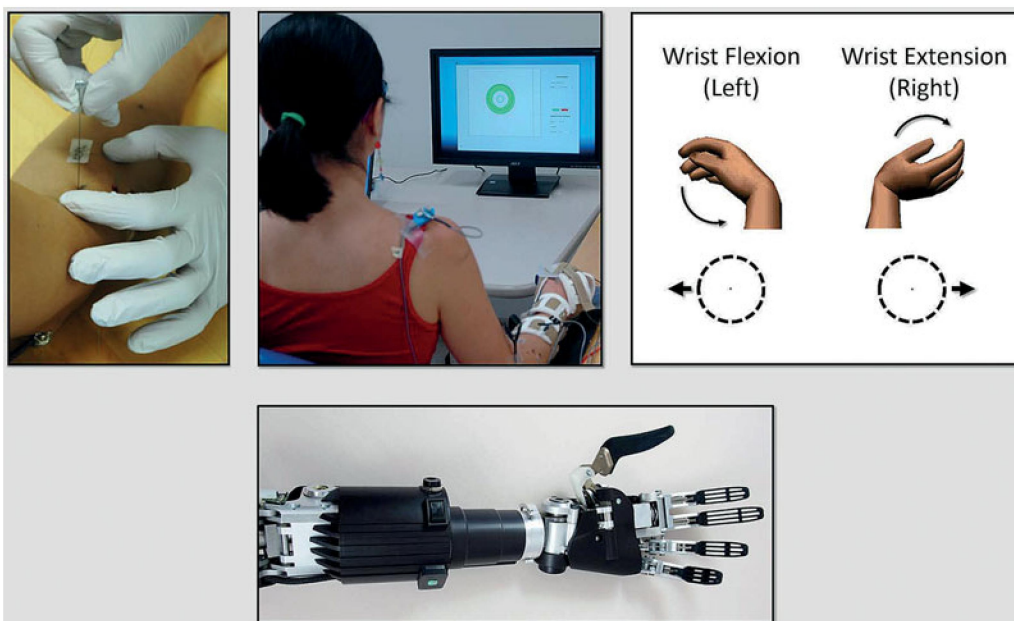
APRIL 2016

VOLUME 63

NUMBER 4

IEBEAX

(ISSN 0018-9294)



Linear regression-based methods demonstrated the ability to decode patterns of muscle co-activation from intramuscular electromyography (EMG, top left) and provide simultaneous control of a wrist and hand system for future application in advanced powered prosthetic limbs (bottom). See “Evaluation of Linear Regression Simultaneous Myoelectric Control Using Intramuscular EMG,” by Smith *et al.*, p. 737.

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