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Sommario/riassunto

A complete overview of electromyography with contributions from pacesetters in the field In recent years, insights from the field of engineering have illuminated the vast potential of electromyography (EMG) in biomedical technology. Featuring contributions from key

innovators working in the field today, Electromyography reveals the broad applications of EMG data in areas as diverse as neurology, ergonomics, exercise physiology, rehabilitation, movement analysis, biofeedback, and myoelectric control of prosthesis. Bridging the gap between engineering and physiology, this pioneering volume explains the essential concepts needed to detect, understand, process, and interpret EMG signals using non-invasive electrodes. Electromyography shows how engineering tools such as models and signal processing methods can greatly augment the insight provided by surface EMG signals. Topics covered include: . Basic physiology and biophysics of EMG generation. Needle and surface electrode detection techniques. Signal conditioning and processing issues. Single- and multi-channel techniques for information extraction. Development and application of physical models. Advanced signal processing techniques With its fresh engineering perspective, Electromyography offers physiologists, medical professionals, and students in biomedical engineering a new window into the far-reaching possibilities of this dynamic technology.

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Introduction / Lucy Huskinson and Bettina E. Schmist -- Animism rather than shamanism : new approaches to what shamans do (for other animists) / Graham Harvey -- Possession and self-possession : towards an integrated mind-body perspective / Geoffrey Samuel -- Spirit possession, seduction, and collective consciousness / Louise Child -- Analytical psychology and spirit possession : towards a non-pathological diagnosis of spirit possession / Lucy Huskinson -- Possessed women in the African diaspora : gender difference in spirit possession rituals / Bettina E. Schmist -- Somali Saar in the era of social and religious change / Marja Tiilikainen -- Taking possession of Santo Daime : the growth of umbanda within a Brazilian new religion / Andrew Dawson -- Spirit attacks in Northern Namibia : interpreting a new phenomenon in an African Lutheran context / Kim Groop -- Divine possession and divination in the Graeco-Roman world : the evidence from Iamblichus's *On the mysteries* / Crystal Addey -- Waking the entranced : reassessing spiritualist mediumship through a comparison of spiritualist and shamanic spirit possession practices / David Gordon Wilson -- To perform possession and to be possessed in performance : the actor, the medium and an 'other' / Sarah Goldingay -- On the transformation of the spirit possession film : towards rough as 'emergent method' / Saer Maty Ba.

Sommario/riassunto

"Spirit possession is a phenomenon that often elicits a response of fear, particular in those who are ignorant of its meaning and role within its particular religious and cultural traditions. Possession by divine beings (such as spirits or gods) is, however, a key practice in religions worldwide. It is therefore important to gain an understanding of this practice in its cultural context before trying to develop a wider theory about it. This fascinating book contains several case studies that present new interpretations of spirit possession worldwide. The authors show the diversity of possible interpretations and methodological approaches that provide a new insight into the understanding of possession and trance."--Bloomsbury Publishing.