

Contents

Aging, Walkers, and Physiotherapy

To improve the quality of life of people affected by motor limitations as they age, a challenging task is to develop new architectures like instrumented smart walkers using software that assist users increase their balance, and diminish falling [8]–[10], which are major causes of

morbidity for the elderly [11]. At the same time, the use of smart equipment with communication capabilities and software associated with electronic health records [12] will allow objective evaluation of physical rehabilitation programs. Various research groups and industries are developing new devices that help users stay balanced by giving a wide base of support.

Authors

Figures

References

Citations

Keywords

Metrics

IEEE Personal Account

Purchase Details

Profile Information

Need Help?

Follow

CHANGE USERNAME/PASSWORD

PAYMENT OPTIONS

COMMUNICATIONS PREFERENCES

US & CANADA: +1 800 678 4333



VIEW PURCHASED DOCUMENTS

PROFESSION AND EDUCATION

WORLDWIDE: +1 732 981 0060

TECHNICAL INTERESTS

CONTACT & SUPPORT

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2021 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

IEEE Account

Purchase Details

Profile Information

Need Help?

» Change Username/Password

» Payment Options

» Communications Preferences

» **US & Canada:** +1 800 678 4333

» Update Address

» Order History

» Profession and Education

» **Worldwide:** +1 732 981 0060

» View Purchased Documents

» Technical Interests

» Contact & Support

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2021 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.