

Special Issue

Human-Centred Approaches to Upper-Limb Prosthetics: Understanding User-Experience and Real-World Contexts of Use

Message from the Guest Editor

Solutions to the challenges of upper-limb prosthesis design have primarily been sought through technological innovation and focused on the enhancement of function or control. Yet despite significant advancements in upper-limb technologies, abandonment rates for users remain high. Arising from this tension is a growing recognition of the need to understand the real-life contexts and lived experience of prosthesis users. We aim to showcase approaches to upper-limb research and design which place emphasis on the experiences of prosthesis users. We welcome submissions which explore human-centered approaches to prosthesis design or seek to understand the everyday experiences of users. These may include user-experience assessments of advanced prosthetic devices, the needs and values of prosthesis users, studies which focus on the lived experience of prosthesis use, or participatory approaches to prosthesis design. We are particularly interested in papers which seek to illuminate contexts of use beyond the laboratory, including at-home or leisure use. Research into how socio-cultural or environmental influences shape prosthesis use are also of relevance to this collection.

Guest Editor

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