

Can human-computer interaction improve the user experience of interactive systems?

In this research, we investigate how human-computer interaction (HCI) can be used to improve the user experience (UX) of interactive systems. Studies in cognitive psychology, information processing, and human factors are examined as they relate to the development of HCI.

What is Human-Computer Interaction (HCI)?

Enhancing user experience (UX) in interactive systems requires effective human-computer interaction (HCI). The relationship between people and computers has grown in significance as technology progresses, having an impact on many areas of our life.

Why is human-computer interaction important?

Additionally, taking into account the features of the computer system, such as its responsiveness, processing capacity, and interface design, enables the development of systems that are more user-friendly and effective. As a result, the discipline of human-computer interaction works to improve the user experience in interactive systems.

What is the architecture of human-computer interaction?

Specifically, the architecture of human-computer interaction can be examined based on the number of inputs acceptable through the interacting interface, the possibility of artificial intelligent technology being integrated into human-computer interaction interfaces, and the benefits of proper harmonization in these fields [22, 23].

Can smart energy systems solve usability issues in control rooms?

While all the mentioned studies agree that usability issues must be solved in control rooms, future challenges raised by smart energy systems (e.g. big data applications) and design implications have not been considered.

What is intelligent human-computer interaction interface (ihcii)?

This new interface, also known as an intelligent human-computer interaction interface (IHCII), is built around user perception. IHCII is not only widely used in people's daily life, but also has irreplaceable applications in the military, aviation, education, and other industrial fields.

Skyline launched two kinds of All-In-One energy storage cabinets, 100 kW/ 2 00 kWh, which support the parallel connection of multiple cabinets, flexible and convenient configuration, and ...

Thanks to the continued advancement of portable non-invasive human sensor technologies, like brain-computer interfaces (BCI), emotion recognition has piqued the interest ...

It examines the strengths, limitations, and potential applications of these modalities, shedding light on the

future possibilities they hold for human-computer interaction. Furthermore, the review ...

Nowadays modern information systems (emerging technologies) are increasingly becoming an integral part of our daily lives and has begun to pose a serious challenge for human-computer interaction ...

**Abstract:** This paper introduces a conversational framework that enhances the usability of smart energy system simulations. This study is centered around OpenAI's Generative Pre-trained ...

Human-Computer Interaction is the secret to technological advancement in the area of logistics and supply chain. The key challenges are the degree of energy transferred to devices, like automated ...

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