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Enhancing the Human Experience through Assistive Technologies and E-Accessibility

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Enhancing the Human Experience through Assistive Technologies and E-Accessibility



Part of the Advances in Medical Technologies and Clinical Practice Book Series

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Information Communication Technologies (ICT) have become an increasingly prevalent part of everyday life. Today, there are many cases in which ICT assist the elderly and people with disabilities to complete tasks once thought impossible.

Enhancing the Human Experience through Assistive Technologies and E-Accessibility discusses trends in ICT in relation to assistive technologies and their impact on everyday tasks for those with disabilities. This reference work provides different perspectives on upcoming technologies and their impact on e-accessibility and e-inclusion, essential topics for researchers, businesses, and ICT product developers in the field of assistive technologies.

Topics Covered:

- Accessibility
- Assistive Technologies
- E-Accessibility
- E-Inclusion
- Human Computer Interaction
- Information Communication Technologies (ICT)
- Technology Trends

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Christos Kouroupetroglou was awarded his PhD in 2010 and his thesis subject was “Semantically enhanced web browsing interfaces.” During his PhD research he investigated the impact of Semantic-Web based assistive interfaces in web browsing while he also worked for a number of research programs in the ATEI of Thessaloniki. The most important of them was the SeEBrowser project which was funded by the Greek ministry of Education and aimed to provide a set of tools to improve web browsing experience of visually impaired users. In parallel, he was also teaching as a scientific and laboratory associate at the ATEI of Thessaloniki and in Mediterranean College of Thessaloniki in modules related to Internet Programming, Databases and Applications Development and Administration. After his PhD research he participated as a chair of experts team in the EC funded “Study on Implications from Future ICT Trends on Assistive Technology and Accessibility” which aimed to explore and analyze the relationships between the emerging ICT landscape, within the societal and economic context. Currently he is a research programmes manager for a start-up company titled Caretta-Net Technologies in Greece and is also working as a freelance lecturer for the University of Nicosia (Cyprus) teaching in the module of “Applications of Technology in Special Education.” He is also a member of the Research and Development Working Group (RDWG) of the Web Accessibility Initiative (WAI) of W3C. Apart from web accessibility his research interests also include HCI especially adaptive and intelligent interfaces, user modelling for accessibility, Semantic Web and Web 2.0 technologies and mobile HCI.



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