

New Directions in Third Wave Human-Computer Interaction: Volume 1 - Technologies

As the first extensive exploration of contemporary third wave HCI, this handbook covers key developments at the leading edge of human-computer interactions. Now in its second decade as a major current of HCI research, the third wave integrates insights from the humanities and social sciences to emphasize human dimensions beyond workplace efficiency or cognitive capacities. The earliest HCI work was strongly based on the concept of human-machine coupling, which expanded to workplace collaboration as computers came into mainstream professional use. Today HCI can connect to almost any human experience because there are new applications for every aspect of daily life.

Volume 1 - Technologies covers technical application areas related to artificial intelligence, metacreation, machine learning, perceptual computing, 3D printing, critical making, physical computing, the internet of things, accessibility, sonification, natural language processing, multimodal display, and virtual reality.

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267,49 €

249,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783030103590

Medium: Buch

ISBN: 978-3-030-10359-0

Verlag: Springer

Erscheinungstermin: 28.12.2018

Sprache(n): Englisch

Auflage: Softcover Nachdruck of the original 1. Auflage 2018

Serie: Human-Computer Interaction Series

Produktform: Kartoniert

Gewicht: 515 g

Seiten: 284

Format (B x H): 155 x 235 mm

