

Cyberpsychology: an introduction to human-computer interaction

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Abstrak

"This textbook provides a comprehensive overview of the human-computer interface in clear, non-technical language, making it an ideal introduction for students of both psychology and computer science. Covering the past, present, and future developments in technology and psychology, it combines cutting-edge academic research with engaging illustrations and examples that show students how the material relates to their lives. Topics addressed include: human factors of input devices, and the basics of sensation and perception; memory and cognitive issues of users navigating their way through interfaces; communication via programming languages and natural speech interaction; cyberpathologies such as techno-stress and Internet addiction disorders; and challenges surrounding automation and artificial intelligence. This thoroughly updated second edition features new chapters on virtual reality and cybersecurity; expanded coverage of social media, mobile computing, e-learning, and video games; and end-of-chapter review questions that ensure students have mastered key objectives"--

"Psychology as a science and a discipline must do more than merely acknowledge that we live in a digital environment with computers and automation. It must do more than add a footnote, chapter, or illustration to current texts while perpetuating theories developed in the pre-digital world. Instead, it must rethink its basic theories in every area - from sensory and perception to social and clinical. Fortunately, this is already occurring in many areas. Cognitive science and neuroscience were founded in the digital age, and human factors psychology has embraced the interaction with computers, but some areas have fallen behind. Rather than make too much of this now, instead we will develop and push these areas forward as we go through the successive chapters of this book. In doing so, we will try to cover the full range of psychology"--