

# Adaptive Perspectives on Human-technology Interaction

Copyrighted Material

## **Adaptive Perspectives on Human–Technology Interaction: Methods and Models for Cognitive Engineering and Human–Computer Interaction**

*Alex Kirlik,  
Editor*

**OXFORD UNIVERSITY PRESS**

Copyrighted Material

[Adaptive Perspectives on Human-technology Interaction 下载链接1](#)

著者:Kirlik, Alex 编

出版者:Oxford Univ Pr

出版时间:2006-3

装帧:HRD

isbn:9780195171822

In everyday life, and particularly in the modern workplace, information technology and automation increasingly mediate, augment, and sometimes even interfere with how

humans interact with their environment. How to understand and support cognition in human-technology interaction is both a practically and socially relevant problem. The chapters in this volume frame this problem in adaptive terms: how are behaviour and cognition adapted, or perhaps ill-adapted, to the demands and opportunities of an environment where interaction is mediated by tools and technology? The authors draw heavily on the work of Egon Brunswik, a pioneer in ecological and cognitive psychology, as well as on modern refinements and extensions of Brunswikian ideas, including Hammond's Social Judgment Theory, Gigerenzer's Ecological Rationality and Anderson's Rational Analysis. Inspired by Brunswik's view of cognition as "coming to terms" with the "causal texture" of the external world, the chapters in this volume provide quantitative and computational models and measures for studying how people come to terms with an increasingly technological ecology, and provide insights for supporting cognition and performance through design, training, and other interventions. The methods, models, and measures presented in this book provide timely and important resources for addressing problems in the rapidly growing field of human-technology interaction.

作者介绍:

目录:

[Adaptive Perspectives on Human-technology Interaction](#) [下载链接1](#)

标签

评论

---

[Adaptive Perspectives on Human-technology Interaction](#) [下载链接1](#)

书评

-----  
[Adaptive Perspectives on Human-technology Interaction 下载链接1](#)