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Titolo	A Human-Centered Perspective of Intelligent Personalized Environments and Systems / / edited by Bruce Ferwerda, Mark Graus, Panagiotis Germanakos, Marko Tkali
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Nota di contenuto	Part I: Theory: Individual differences for intelligent personalized environments -- Human factors in user modeling for intelligent systems -- The role of human-centred ai in user modeling, adaptation, and personalization – Models, frameworks, and paradigms -- Fairness and explainability for enabling trust in AI systems -- Part II: Method: User models driven from human factors, inferred from data -- Transparent music preference modeling and recommendation with a model of human memory theory -- Personalization and individual differences in business data analytics -- Inferring Eudaimonia and Hedonia from digital traces -- Computational methods to infer human factors for adaptation and personalization using eye tracking -- Part III: Practice: The human factors in the center of applications and domains -- Coarse-grained detection for personalized online learning interventions -- Psychologically-informed design of energy recommender systems: Are nudges still effective in tailored choice environments?- Personalized persuasive technologies in health and

wellness: From theory to practice.

Sommario/riassunto	This book investigates the potential of combining the more quantitative - data-driven techniques with the more qualitative - theory-driven approaches towards the design of user-centred intelligent systems. It seeks to explore the potential of incorporating factors grounded in psychological theory into adaptive/intelligent routines, mechanisms, technologies and innovations. It highlights models, methods and tools that are emerging from their convergence along with challenges and lessons learned. Special emphasis is placed on promoting original insights and paradigms with respect to latest technologies, current research trends, and innovation directions, e.g., incorporating variables derived from psychological theory and individual differences in adaptive intelligent systems so as to increase explainability, fairness, and transparency, and decrease bias during interactions while the control remains with the user.