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Disciplina	004.019
Soggetti	Medical sciences Artificial intelligence Data mining Application software Image processing - Digital techniques Computer vision Database management Health Sciences Artificial Intelligence Data Mining and Knowledge Discovery Computer and Information Systems Applications Computer Imaging, Vision, Pattern Recognition and Graphics Database Management
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Understanding Human Cognition and Behavior in Complex Tasks and Environments -- Cognitive Modeling, Perception, Emotion and Interaction -- Cognitive Load and Performance --

Electroencephalography and Brain Activity Measurement --  
Physiological Measuring -- Augmented Cognition in Training and  
Education -- Brain-Computer Interfaces -- Rehabilitation and Cognitive  
Aids.

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## Sommario/riassunto

The 13th International Conference on Human-Computer Interaction, HCI International 2009, was held in San Diego, California, USA, July 19-24, 2009, jointly with the Symposium on Human Interface (Japan) 2009, the 8th International Conference on Engineering Psychology and Cognitive Ergonomics, the 5th International Conference on Universal Access in Human-Computer Interaction, the Third International Conference on Virtual and Mixed Reality, the Third International Conference on Internationalization, Design and Global Development, the Third International Conference on Online Communities and Social Computing, the 5th International Conference on Augmented Cognition, the Second International Conference on Digital Human Modeling, and the First International Conference on Human Centered Design. A total of 4,348 individuals from academia, research institutes, industry and governmental agencies from 73 countries submitted contributions, and 1,397 papers that were judged to be of high scientific quality were included in the program. These papers address the latest research and development efforts and highlight the human aspects of the design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas.

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