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| Collana                 | Lecture Notes in Computer Science ; ; 5624                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Soggetti                | Human-computer interaction<br>User interfaces (Computer systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Note generali           | International conference proceedings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Nota di contenuto       | Ergonomics and Health in the Workplace -- Effects of the Workplace Game: A Case-Study into Anticipating Future Behavior of Office Workers -- Management Support and Worksite Health Promotion Program Effectiveness -- Usage of Office Chair Adjustments and Controls by Workers Having Shared and Owned Work Spaces -- Health Promoting Leadership: The Mediating Role of an Organizational Health Culture -- Increasing Information Worker Productivity through Information Work Infrastructure -- Merging Virtual and Real Worlds -- Holistic Concepts for the Office of the Future -- The Relationship between Working Conditions and Musculoskeletal/Ergonomic Disorders in a Manufacturing Facility -- A Longitudinal Research Study -- Measuring Support for Health in Offshore Environments -- Understanding Patient User Experience in Obstetric Work Systems -- Unique Stressors of Cross-Cultural Collaboration through ICTs in Virtual Teams -- Examining the Effects of Workstation Design Satisfaction, Computer Usage, Supervisory and Co-worker Support on Perceived Physical Discomfort and Psychosocial Factors -- Defeating Back Pain at the Workplace: Results of the "Healthy Back" Program -- Using the 'Balance Model' for Occupational Safety and Health Promotion -- Varying the Office Work Posture between Standing, Half-Standing and Sitting Results in Less Discomfort -- A Person-Centered |

Measurement System for Quantification of Physical Activity and Energy Expenditure at Workplaces -- Management of Work Site Health-Promotion Programs: A Review -- New Trends in Ergonomics -- Development of Portable Robotic Operation Terminals to Achieve Increased Safety and Usability and a Study on the Effectiveness of Wireless Terminals -- Participatory Ergonomics as a Method of Quality Improvement in Maintenance -- What Is Prospective Ergonomics? A Reflection and a Position on the Future of Ergonomics -- Improving in-Vehicle Display and Control Design for Older Drivers -- Relationship between Emotional State and Pupil Diameter Variability under Various Types of Workload Stress -- Combined Measurement System for the Evaluation of Multi Causal Strain -- Development of Non-contact Monitoring System of Heart Rate Variability (HRV) - An Approach of Remote Sensing for Ubiquitous Technology - -- PC-Based Rehabilitation System with Biofeedback -- Interaction Devices and Environments -- LED Backlight for Better Accuracy in Medical Imaging -- Human Factors in Lighting -- Lighting as Support for Enhancing Well-Being, Health and Mental Fitness of an Ageing Population - The FP6 EU Funded ALADIN Project -- The Evaluation of Operating Posture in Typing the QWERTY Keyboard on PDA -- Vector Keyboard for Touch Screen Devices -- Evaluation of a Functional Film Attached on Top of a Tablet PC -- Interaction between Dynamic LED-Light and Color Surfaces -- Color Model for Human Visual Environment and Physical Interaction -- Improvement of the Design Quality of 3D-Input Devices Using Motion Analyses and Biomechanical Comparisons.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the International Conference on Ergonomics and Health Aspects of Work with Computers, EHAWC 2009, held in San Diego, CA, USA in July 2009 in the framework of the 13th International Conference on Human-Computer Interaction, HCII 2009. This volume contains 33 papers in the thematic area of Ergonomics and Health in the Workplace, New Trends in Ergonomics, as well as Interaction Devices and Environments.

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