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Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 10292
Disciplina	005.8
Soggetti	Computers Software engineering Application software Data structures (Computer science) Computer organization Models and Principles Software Engineering/Programming and Operating Systems Information Systems Applications (incl. Internet) Computer Appl. in Social and Behavioral Sciences Data Structures and Information Theory Computer Systems Organization and Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Clinical and Health Information Systems -- Mobile-Application based Cognitive Behavior Therapy (CBT) for Identifying and Managing Depression and Anxiety -- The structure of clinical judgment making based on nurse's visual observation. -Towards a Clinical Support System for the Early Diagnosis of Sepsis. -APSEN: Pre-Screening Tool for Sleep Apnea in a Home Environment. – Tacit process for obtaining nursing skills: Focusing on nurse's sense of patients close to death -- Conversion of JPG Image into DICOM Image Format with One Click Tagging -- Eye Movement Differences between Novices and Expert

Surgeons in Laparoscopic Surgery Simulator -- Evaluation Methods to Support Health Information Systems Development: a Framework Supported in Literature and Practical Experience. -Software Requirements Engineering in Digital Healthcare: A Case Study of the Diagnosis and Monitoring of Autism Spectrum Disorders in Children in the UK's National Health Service. - Compare the Receiver Operating Characteristic (ROC) and Linear Discriminant Analysis (LDA) for Acromegaly Detection by Three-Dimensional Facial Measurements -- Evaluation of Functionality and Usability on Diabetes Mobile Applications: A Systematic Literature Review -- Health and Aging. - Abductive cognitive support for (semantic) dementia persons -- Age and Computer Skill Level Difference in Aging-Centered Design: A Case Study of a Social Type Website. -Application and Effect of Media Therapy to the Recreational Activities at Group Homes Reduction of Emotional Pain of Elderly People with Dementia. -Investigation of Quantification of the Suitable Photos for Conversation Assistance for Elderly and Youth -- Generating Personalized Dialogue Towards Daily Counseling System for Home Dementia Care. -Color Affects the Usability of Smart Phone Icon for the Elderly. -Capturing Activities of Daily Living for Elderly at Home based on Environment Change and Speech Dialog -- F0 Feature Analysis of Communication between Elderly Individuals for Health Assessment. - A Study of Photographs as Communication Content for Intergenerational Conversation Support System. - Health Data Analytics and Visualization. - Measuring Insight Into Multi-dimensional Data from a Combination of a Scatterplot Matrix and a HyperSlice Visualization -- Effective visualization of long term health data to support behavior change. -That's so meta! Usability of a Hypergraph-based Discussion Model. - FlowChart Tool for Decision Making in Interdisciplinary Research Cooperation -- Using EEG Data Analytics to Measure Meditation. -Enhance the Use of Medical Wearables through Meaningful Data Analytics. - User-driven Semantic Classification for the Analysis of Abstract Health and Visualization Tasks -- EEG Features Extraction and Classification of Rifle Shooters in the Aiming Period. - Design for Safety -- Safety does not happen by accident, can gaming help improve occupational health and safety in organizations. - Autonomous robotic system for pipeline integrity inspection -- Interactive design of digital car dashboard interfaces. - Emergency Usability Lab - Concept to evaluate the usability of healthcare systems in emergencies -- Watch out! User-centered Feedback Design for a V2X-Smartphone App -- Safety Performance Evaluation Model for Airline Flying Fleets -- Deciphering Workers' Safety Attitudes by Sensing Gait Patterns -- Driving Process' Analysis and HUD design based on Conditional Autonomous Traffic Safety. -ECG Identification Based on PCA-RPROP.

Sommario/riassunto

The two-volume set LNCS 10286 + 10287 constitutes the refereed proceedings of the 8th International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics, and Risk Management, DHM 2017, held as part of HCI International 2017 in Vancouver, BC, Canada. HCII 2017 received a total of 4340 submissions, of which 1228 papers were accepted for publication after a careful reviewing process. The 75 papers presented in these volumes were organized in topical sections as follows: Part I: anthropometry, ergonomics, design and comfort; human body and motion modelling; smart human-centered service system design; and human-robot interaction. Part II: clinical and health information systems; health and aging; health data analytics and visualization; and design for safety. .
