

1. Record Nr.	UNISA996361545803316
Titolo	International journal of workplace health management
Pubbl/distr/stampa	Bingley, : Emerald Group Publishing Ltd., 2008-
ISSN	1753-836X
Disciplina	613.6205
Soggetti	Igiene del lavoro - Periodici
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Periodico
Sommario/riassunto	La rivista prenderà in considerazione la salute sul posto di lavoro sia dal punto di vista della salute pubblica più ampio, sia dal punto di vista dell'organizzazione individuale. La salute sul luogo di lavoro e le questioni correlate saranno discusse nel contesto di tre principi guida chiave: Salute individuale - per includere prevenzione primaria, modifica del comportamento, atteggiamenti e scelte di stile di vita, educazione alla salute, promozione della salute e come motivare le persone- Cultura del luogo di lavoro - per includere la gestione politiche e procedure, sistemi di comunicazione, opportunità di formazione e equilibrio tra vita professionale e vita privata e l'effetto che ciò ha sul morale e sul benessere - Questioni fisiche del lavoro - per includere salute / ergonomia muscolo-scheletrica, nonché legislazione sulla salute e sicurezza e salute sul lavoro, quanto siano efficaci le politiche e il livello di conformità

2. Record Nr.	UNISA996466262203316
Titolo	Intelligent Robotics and Applications : 4th International Conference, ICIRA 2011, Aachen, Germany, December 6-8, 2011, Proceedings, Part II / / edited by Sabina Jeschke, Honghai Liu, Daniel Schilberg
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2011
ISBN	3-642-25489-6
Edizione	[1st ed. 2011.]
Descrizione fisica	1 online resource (XXIV, 623 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 7102
Disciplina	629.892
Soggetti	Artificial intelligence Optical data processing Pattern recognition Computer graphics Application software Computer communication systems Artificial Intelligence Image Processing and Computer Vision Pattern Recognition Computer Graphics Information Systems Applications (incl. Internet) Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Intro -- Title page -- Preface -- Conference Organization -- Table of Contents -- A Body for the Brain: Embodied Intelligence in Bio-inspired Robotics -- Biomechatronics for Embodied Intelligence of an Insectoid Robot -- Introduction -- Biomechatronic Transfer of Morphological Features -- Bio-inspired Drive Technology for Leg and Body Joints -- Lean Communication on the Robot -- Discussion -- References -- Novel Approaches for Bio-inspired Mechano-Sensors -- Introduction -- Inspiration from Biology -- Related Work -- Approaches for Developing Tactile Sensors for Static Stimuli -- Building Tactile Sensor Arrays Using

Piezoresistive Materials -- Flexible Tactile Array Sensor Using
 Conductive Thread Electrodes -- Flexible Tactile Array Sensor Using
 Conductive Polymer Electrodes -- Approaches for Developing Tactile
 Sensors for Dynamic Stimuli -- Experimental Results and Applications
 -- Data Acquisition -- Classification of Fruits and Vegetables Using
 Haptic Feedback -- Determination of Tactile Contact Profile of Small
 Objects -- Determination of Gentle Contact and Vibrations --
 Conclusions -- References -- Helping a Bio-inspired Tactile Sensor
 System to Focus on the Essential -- Introduction -- Previous Work --
 Sensor Hardware -- Interpreting Sensor Readings -- Results --
 Conclusion -- References -- Robust Dataglove Mapping for Recording
 Human Hand Postures -- Introduction -- The Human Hand Model --
 Mapping from Cyberglove to Human Hand Model -- The Thumb
 Abduction / Roll Sensor Mapping -- The Finger Spread Sensor Mapping
 -- The Abduction Sensor Dependency -- Evaluation of the Mapping --
 Conclusion -- References -- Software/Hardware Issues in Modelling
 Insect Brain Architecture -- Introduction -- Insect Brain Model --
 Software/Hardware Framework -- Robotic Platforms and Experiments
 -- Definition of Scenarios -- Conclusion -- References.
 Higher Brain Centers for Intelligent Motor Control in Insects --
 Introduction -- Learning and Memory in the Central Complex for
 Approaching Objects -- Experimental Evidence -- The Central Complex
 Model -- Intelligent Motor Control beyond the Current Model -- An
 Integrator for the Orientation in Gradients -- Motor Learning -- A
 Representation of Body Size in the Brain -- Termination of
 Inappropriate Behavior -- Conclusion -- References -- An Insect-
 Inspired, Decentralized Memory for Robot Navigation -- Introduction
 -- The Model -- Results -- Discussion -- References -- Models of
 Visually Guided Routes in Ants: Embodiment Simplifies Route
 Acquisition -- Introduction -- Background -- Overview of Our
 Approach -- Detailed Methods -- Results -- Summary -- References
 -- Intelligent Visual Systems -- Robust Object Tracking for Resource-
 Limited Hardware Systems -- Introduction -- Overview of Tracking
 System -- Dominant Color-Spatial Based Object Representation --
 Dominant Color Mode Extraction -- Spatial Layout of the Dominant
 Color -- Similarity Measure for Matching -- Cross Bin-Ratio Based
 Color Similarity Measure -- Spatial Similarity Measure -- Swarm
 Intelligence Based Searching Method -- Annealed Particle Swarm
 Optimization -- Integral Image of Model Parameters -- Experimental
 Results -- Different Object Representations -- Different Similarity
 Measure -- Different Searching Methods -- Conclusion -- References
 -- Adaptive Rank Transform for Stereo Matching -- Introduction --
 Adaptive Rank Transform -- The Motivation Behind Adaptive Rank
 Transform -- Adaptive Rank Window -- New Transform Rules --
 Comparison between Adaptive and Original Rank Transform --
 Obtaining the Match Window from Multiple Rank Windows --
 Experiments -- Conclusion -- References -- Real Time Vision Based
 Multi-person Tracking for Mobile Robotics and Intelligent Vehicles --
 Introduction.
 Related Work -- System Overview -- System Realization -- Visual
 Odometry -- Object Detection -- Tracking -- Experimental Results --
 Conclusion -- Acknowledgments. -- References -- A Method for
 Wandering Trajectory Detection in Video Monitor -- Introduction --
 Algorithm Description -- Target Detection -- Determine the Initial
 Half-Line -- Calculate the Angle -- Judge the Type of Trajectory --
 Experimental Results and Analysis -- Conclusion -- References -- The
 Design of a Vision-Based Motion Performance System -- Introduction
 -- Related Work -- System Overview -- Initialization -- Feature

Detection -- Feature Tracking -- 3D Point Reconstruction and Display
 -- Experiments and Analysis -- Conclusion -- References -- Window
 Function for EEG Power Density Estimation and Its Application in SSVEP
 Based BCIs -- Introduction -- Experiment Setting -- Subjects -- EEG
 Recording -- Experimental Paradigms -- EEG Signal and Window
 Function -- Application in SSVEP -- Method -- Result -- Conclusion --
 References -- Efficient Multi-resolution Plane Segmentation of 3D
 Point Clouds -- Introduction -- Related Work -- Efficient Multi-
 resolution Segmentation into Planar Segments -- Efficient Normal
 Estimation through Multiple Resolutions -- Pre-segmentation in
 Hough-Space -- Segmentation into Connected Components --
 Accurate Segmentation through RANSAC -- Coarse-to-Fine
 Segmentation -- Post-Processing -- Experiments -- Conclusion and
 Future Work -- References -- 3D Body Pose Estimation Using an
 Adaptive Person Model for Articulated ICP -- Introduction -- Related
 Work -- Basic Algorithm -- Human Body Model -- Articulated Iterative
 Closest Point Algorithm -- Proposed Extensions -- Data Segmentation
 -- Data Assignment -- Model Adaption -- Self-collision Checking --
 Model Initialization -- Experiments -- Conclusions -- References --
 Self-optimising Production Systems.
 Artificial Cognition in Autonomous Assembly Planning Systems --
 Introduction -- Definitions -- Cognition -- Self-optimization -- State
 of the Art -- Software Architectures for Cognitive Technical Systems --
 Cognitive Technical Systems in Production Engineering -- Assembly
 Planning Systems -- The Project "Cognitive Planning and Control
 System for Production" -- Objectives and Approach -- Cognitive
 Capabilities of the CCU -- Conclusion and Outlook -- References --
 Self-optimization as an Enabler for Flexible and Reconfigurable
 Assembly Systems -- Introduction -- Self-optimizing Functions for
 Assembly Systems -- Grasp Planning and Configuration -- Quick
 Automated Commissioning of Assembly Systems after Reconfiguration
 -- Planar Alignment for a Bonding Process -- Summary and Outlook --
 References -- Flexible Assembly Robotics for Self-optimizing
 Production -- Introduction -- Self-optimizing Assembly Systems --
 Research Results -- Intermediate Conclusion -- Research Roadmap --
 Enablers for Flexibility -- Enablers for Cognition -- Enablers for
 Autonomy -- Conclusion -- References -- Meta-modeling for
 Manufacturing Processes -- Introduction -- Meta-modeling -
 Definition of Process-Independent Method -- Definition of Process
 Properties and Model Requirements (B1) -- Selection of Parameters (B2)
 -- Determination of Process Domain (B3) -- Selection of Data Source
 (B4) -- Design and Setup of Experiment (B5) -- Generation of Data (B6)
 -- Selection of Model Class and Structure (B7) -- Implementation of
 Model (B8) -- Evaluation of Model Quality (B9) -- Conclusion --
 References -- Computational Intelligence -- Control Architecture for
 Human Friendly Robots Based on Interacting with Human --
 Introduction -- Intelligent Human Friendly Robot System -- Control
 Software Architecture for the Service Robot -- Experimental Result of a
 Control Software Architecture.
 The Experiment for Clearing Table -- The Addition of a New Function
 to the Software Architecture -- Conclusion -- References -- Multi-
 modal Communication Interface for Elderly People in Informationally
 Structured Space -- Introduction -- Monitoring System for Elderly
 People -- Universal Remote Controller -- Problem of Usability -- Input
 Interface -- Information Visualization -- Experimental Result --
 Evaluation Result of Screen Design -- Evaluation Result on Handling
 Ability -- Summary -- References -- Motion Control Strategies for
 Humanoids Based on Ergonomics -- Introduction -- Simulating

Anthropomorphic Multiagent Systems -- Modeling Anthropomorphic Kinematics as Kinematic Trees -- Controlling Anthropomorphic Kinematics as Multiagent Systems -- Processing RULA -- Connecting RULA to Anthropomorphic Kinematics -- RULA Only Considers one Arm at a Time, in Its Original Form It Is Not Assessed for Both Arms at Once -- RULA Is Only Assessed for Single Work Postures, in Its Original Form It Is Not Calculated Continuously -- RULA Only Considers Postures Feasible for Humans, but Humanoids Are Typically Not Restricted to Human Joint Limits -- Motion Control Strategies from RULA -- Interpretation of RULA Scores as ``ergonomic stress -- Reduction of RULA Scores with Nullspace Motions -- Inversion of RULA to Identify Favorable Joint Configurations -- Results -- Conclusion -- References -- Fuzzy Representations and Control for Domestic Service Robots in Golog -- Introduction -- The Situation Calculus and Golog -- Qualitative Fluents and Fuzzy Controllers in Golog -- Fuzzy Fluents -- Fuzzy Controller in Readylog -- Applications in a Domestic Service Robotics Domain -- A Domestic Service Robotics Domain (RoboCup@Home) -- Qualitative Representations for Domestic Environments -- Qualitative Notions in High-level Programs -- Domestic Golog Fuzzy Controllers. Conclusions.

Sommario/riassunto

The two volume set LNAI 7101 and 7102 constitute the refereed proceedings of the 4th International Conference on Intelligent Robotics and Applications, ICIRA 2011, held in Aachen, Germany, in November 2011. The 122 revised full papers presented were thoroughly reviewed and selected from numerous submissions. They are organized in topical sections on progress in indoor UAV, robotics intelligence, industrial robots, rehabilitation robotics, mechanisms and their applications, multi robot systems, robot mechanism and design, parallel kinematics, parallel kinematics machines and parallel robotics, handling and manipulation, tangibility in human-machine interaction, navigation and localization of mobile robot, a body for the brain: embodied intelligence in bio-inspired robotics, intelligent visual systems, self-optimising production systems, computational intelligence, robot control systems, human-robot interaction, manipulators and applications, stability, dynamics and interpolation, evolutionary robotics, bio-inspired robotics, and image-processing applications.

3. Record Nr.	UNINA9910557712603321
Autore	Oliveira Rui F
Titolo	Social Decision-Making in Animals
Pubbl/distr/stampa	Frontiers Media SA, 2020
Descrizione fisica	1 online resource (119 p.)
Soggetti	Neurosciences Science: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact