1. Record Nr. UNINA9910484776403321

Titolo	Intelligent Media Technology for Communicative Intelligence : Second International Workshop, IMTCI 2004, Warsaw, Poland, September 13-14, 2004. Revised Selected Papers / / edited by Leonard Bolc, Zbigniew Michalewicz, Toyoaki Nishida
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
ISBN	9783540317388 3540317384 9783540290353 3540290354
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (X, 259 p.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 3490
Altri autori (Persone)	BolcLeonard <1934-> MichalewiczZbigniew NishidaT (Toyoaki)
Disciplina	006.3
Soggetti	Artificial intelligence User interfaces (Computer systems) Human-computer interaction Application software Information storage and retrieval systems Multimedia systems Artificial Intelligence User Interfaces and Human Computer Interaction Computer and Information Systems Applications Information Storage and Retrieval Multimedia Information Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"PJIIT"--Cover.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Design Intelligent Web Applications Using Web Modelling Language (WebML) -- Text Understanding for Conversational Agent -- Calculus with Fuzzy Numbers -- Intelligent Data Integration Middleware Based on Updateable Views -- Real Terrain Visualisation on the Basis of GIS

Data -- Reliable Data Acquisition Systems for Robotics and Multimedia Applications -- Multi-level Annotation in SpeeCon Polish Speech Database -- Intelligent Content Extraction from Polish Medical Reports -- The Explanatory Experiment for Evaluation of SPOC System from Contents Creators' Perspective -- Enriching Agent Animations with Gestures and Highlighting Effects -- Towards Intelligent Media Technology for Communicative Intelligence -- Toward Enhancing User Involvement via Empathy Channel in Human-Computer Interface Design -- Named-Entity Recognition for Polish with SProUT -- A Survey of Recent Results on Spatial Reasoning via Rough Inclusions -- Smart Sensor Mesh: Intelligent Sensor Clusters Configuration and Location Discovery for Collaborative Information Processing -- Towards 3D Face Model from 2D View -- Intelligent Content Production for a Virtual Speaker -- Facilitating Understanding for Children by Translating Web Contents into a Storybook -- Collage of Video and Sound for Raising the Awareness of Situated Conversations -- Dialogue Processing Memory for Incident Solving in Man-Machine Dialogue -- Forecasting with a Dynamic Window of Time:The DyFor Genetic Program Model -- A Question Answer System Using Mails Posted to a Mailing List -- Towards Extracting Emotions from Music -- Do We Need Automatic Indexing of Musical Instruments? -- Mobile Agents: Preserving Privacy and Anonymity.

Sommario/riassunto

The 2nd Workshop on Intelligent Media Technology for Communicative Intelligence commemorating the 10th anniversary of the Polish-Japanese Institute of Information Technology in Warsaw aimed to explore the current research topics in the ?eld of int- ligent media technologies for communicative intelligence. Communicative intelligence represents a new challenge towards building a sup-intelligence on the ubiquitous global network by accumulating a huge amount of - man andknowledgeresources.The term "communicativeintelligence"re?ects the view that communication is at the very core of intelligence and its creation. Communication permits novel ideas to emerge from intimate interactions by multiple agents, ranging from collaboration to competition. The recent advance of information and commu- cation technologies has established an information infrastructure that allows humans and artifacts to communicate with each other beyond space and time. It enables us to advance a step further to realize a communicative intelligence with many fruitful applications. Intelligentmediatechnologiesattempttocaptureandaugmentpeople' scommuni- tive activities by embedding computers into the environment to enhance interactions in an unobtrusive manner. The introduction of embodied conversational agents that might mediate conversations among people in a social context is the next step in the p- cess. The scope of intelligent media technologies includes design and development of intelligent supports for content production, distribution, and utilization, since rich c- tent is crucial for communication in many applications. The promising applications of intelligence media technologies include e-learning, knowledge management systems, e-democracy, and other communication-intensivesubject domains.