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Sommario/riassunto

Applies lean manufacturing principles across the cloud service delivery chain to enable application and infrastructure service providers to sustainably achieve the shortest lead time, best quality, and value. This book focuses on lean in the context of cloud computing capacity management of applications and the physical and virtual cloud resources that support them. Lean Computing for the Cloud considers business, architectural and operational aspects of efficiently delivering valuable services to end users via cloud-based applications hosted on shared cloud infrastructure. The work also focuses on overall optimization of the service delivery chain to enable both application service and infrastructure service providers to adopt leaner, demand driven operations to serve end users more efficiently. The book's early chapters analyze how capacity management morphs with cloud computing into interlocked physical infrastructure capacity management, virtual resource capacity management, and application capacity management problems. The middle chapters frame cloud capacity management as a lean thinking problem, lay out strategies for

applying lean thinking best practices across the cloud service delivery chain, and apply key lean insights from other industries. Later chapters discuss lean reserve capacity, lean demand management, optimal power management, and quantitative performance metrics of lean capacity management, which can be used to methodically drive continuous improvement of lean cloud computing deployments. The final chapter summarizes the book's insights on lean strategies to minimize waste across the cloud computing service delivery chain. .

Applies lean thinking across the cloud service delivery chain to recognize and minimize waste. Leverages lessons learned from electric power industry operations to operations of cloud infrastructure. Applies insights from just-in-time inventory management to operation of cloud based applications. Explains how traditional, Information Technology Infrastructure Library (ITIL) and Enhanced Telecom Operation Map (eTOM) capacity management evolves to lean computing for the cloud. This book is geared toward professionals with business, operational, architectural, development, and quality backgrounds in the information and communication technology industry. Eric Bauer is Reliability Engineering Manager in the IP Platforms Group of Alcatel-Lucent. Before focusing on reliability engineering, Mr. Bauer spent two decades designing and developing embedded firmware, networked operating systems, internet platforms, and optical transmission systems. He has been awarded more than a dozen US patents, and has authored several books such as Service Quality of Cloud-Based Applications, Reliability and Availability of Cloud Computing, and Design for Reliability: Information and Computer-Based Systems, all of which were published by Wiley-IEEE Press. Mr. Bauer earned his BS in Electrical Engineering from Cornell University and MS in Electrical Engineering from Purdue University.

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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
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Note generali	"PJIT"--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 field of intelligent media technologies for communicative intelligence. Communicative intelligence represents a new challenge towards building a superintelligence on the ubiquitous global network by accumulating a huge amount of human and knowledge resources. The term "communicative intelligence" reflects 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 communication 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. Intelligent media technologies attempt to capture and augment people's communicative 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 process. The scope of intelligent media technologies includes design and development of intelligent supports for content production, distribution, and utilization, since rich content 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-intensive subject domains.