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Nota di contenuto	1.ICMS: A Cloud-based Manufacturing System -- 2 A Distributed Selective Disassembly Planning Service for Waste Electrical and Electronic Equipment with Case Studies on Liquid Crystal Display -- 3. Cloud Machining Community: a Method to Use Socialized Production Resources for Outsourcing Machining Processes and Parts -- 4.Factors Affecting Cloud Technology Adoption: Potential User's Perspective -- 5. Manufacturing Paradigm Shift towards Better Sustainability -- 6. Lifecycle Sustainable Information Management for Waste Electrical and Electronic Equipment -- 7.A Streaming Technology of 3D Design and Manufacturing Visualization Information Sharing for Cloud-based Collaborative Systems -- 8.Designing by Services: A New Paradigm for Collaborative Product Development -- 9.Real-Time Work-in-progress Management for Ubiquitous Manufacturing Environment -- 10.Survey on Distributed Collaborative Engineering and Applications -- 11. Manufacturing Paradigm Shift towards Better Cloud Computing in the Military Environment: A New Model for Collaboration in the Operational Information Exchange Networks.
Sommario/riassunto	Global networks, which are the primary pillars of the modern manufacturing industry and supply chains, can only cope with the new challenges, requirements and demands when supported by new computing and Internet-based technologies. Cloud Manufacturing: Distributed Computing Technologies for Global and Sustainable

Manufacturing introduces a new paradigm for scalable service-oriented sustainable and globally distributed manufacturing systems. The eleven chapters in this book provide an updated overview of the latest technological development and applications in relevant research areas. Following an introduction to the essential features of Cloud Computing, chapters cover a range of methods and applications such as the factors that actually affect adoption of the Cloud Computing technology in manufacturing companies and new geometrical simplification method to stream 3-Dimensional design and manufacturing data via the Internet. This is further supported case studies and real life data for Waste Electrical and Electronic Equipment (WEEE) remanufacturing. This compilation of up to date research and literature can be used as a textbook or reference for mechanical, manufacturing, and computer engineering graduate students and researchers for efficient utilization, deployment and development of distributed and Cloud manufacturing systems, services and applications.

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