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	Nota di contenuto	Cooperative Applications -- Using Tag Clouds to Promote Community Awareness in Research Environments -- A Proposal for Model-Based Design and Development of Group Work Tasks in a Shared Context -- Fixing Collaborative Edition on Typed Documents -- Towards the Construction of a Knowledge Building Environment -- Applying

Situation Awareness Approach to Cooperative Play in Interactive Installation Storytelling System -- Argumentation Tools in a Collaborative Development Environment -- Cooperative Learning by Replay Files in Real-Time Strategy Game -- Cooperative eLearning to Enhance Knowledge Creation -- Memory and Creativity in Cooperative vs. Non cooperative Spatial Planning and Architecture -- An Embedded Road Crack Detection System in a Cooperative Platform -- Saving Energy with Cooperative Group-Based Wireless Sensor Networks -- Enhancing Collaboration in Vehicular Networks -- Initial Risk Assessment of Emergency Events in Cooperative Operating Control -- The Sensitivity Analysis for Cooperative Decision by TOPSIS Method -- A Freshness Based Persistent Assurance Scheme for Secure Scalable Media Distribution -- Cooperative Decision Making for Evaluating Ports' Reception Facilities -- Group Formation through Cooperating Node in VANETs -- Scrum in Research -- Towards a Framework for the Development of CSCW Systems -- Cooperative Design -- An Anthropo-Based Study of Industrial Design Cooperative Practices Using "Mediating Objects" -- Design for Service-Oriented Collaborative Design and Manufacturing Platform -- Cluster Analysis for Classifying Similar Shared Resources in Cooperative Design -- Parametric CAD Data Exchange Using Geometry-Based Neutral Macro File -- Study of Collaborative Design Based on Fuzzy Theory -- Technological Change: Educating for Extreme Collaboration -- Team Organization and Web-Based Project Management for Collaborative Highway Design -- Taking the Customer into Account in Collaborative Design -- Cooperative Visualization -- Multi-user Multi-touch Setups for Collaborative Learning in an Educational Setting -- Explore, Collaborate and Publish Official Statistics for Measuring Regional Progress -- Pattern Browsing and Query Adjustment for the Exploratory Analysis and Cooperative Visualisation of Microarray Time-Course Data -- CAD and VR Technologies Used in Civil Engineering Education -- Complicated Simulation Visualization Based on Grid and Cloud Computing -- Visualization of Neutral Model of Ship Pipe System Using X3D -- Cooperative Engineering -- Coordinating a Cooperative Automotive Manufacturing Network – An Agent-Based Model -- A Constraint Solving Method for Collaborative Product Development -- A Solution of Manufacturing Resources Sharing in Cloud Computing Environment -- Cluster Analysis on Candidates of Cooperative Product Development Team -- Collaboration Support in a Web-Based SCADA System -- Collaborative Control of Hierarchical System Based on JADE -- Requirement Specification for Agent-Based Cooperative Control of Dynamical Systems -- Web Engineering Process Matrix for Sustainable Deployment of Web-Based Applications -- Collaborative and Visualized Safety Planning for Construction Performed at High Elevation -- Product Precision Information Modeling under Cooperative Virtual Assembly Environment -- Task Scheduling of Collaborative Product Design Project.

Sommario/riassunto

Many papers in this volume re?ect, to some degree, the active, rapid economic developmentincertaingeographicareasintheworldsuchasChina,Japan, South Korea,and EasternEurope, which demand cooperative work, particularly co- erative engineering, more than ever. New concepts and new ideas of cooperative design, visualization, and engineering have emerged to meet the higher demand resulting from the economic development in these areas. Another trend among the papers in this volume is to apply existing concepts and methods to new application areas. The emergence of new concepts can be considered as a signal of fruitful research with its maturity in the ?eld. This can be found in the

papers of this year's conference. Cooperative design, visualization, and engineering via cloud computing is a new concept presented in a group of papers in this volume. The concept of cloud has been proposed for cooperative manufacturing, large scale cooperative simulation, and visualization, etc. Applying existing concepts to new application areas or creating new me- ods based on them is a logicaldirection to takefull advantageof the cooperative design, visualization, and engineering technology. This is no doubt the best way to widen anddeepen the knowledgein the ?eld. Typicalexamples in this volume include the cooperative visualization of DNA microarray data in bioinform- ics, astrophysical simulations, natural disaster simulations, and cooperative risk assessment, etc. As the volume editor, I would like to congratulate all the authors for their research and development results, raising cooperative technology to a new level.