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Altri autori (Persone)	NeeA. Y. C <1948-> (Andrew Yeh Chris) OngS. K. <1969->
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Nota di contenuto	Contents ; Preface ; Abbreviation ; 1. Introduction ; 1.1 Concurrent and Collaborative Engineering ; 1.2 Enabling Technologies ; 1.2.1 Artificial intelligence ; 1.2.2 Internet technologies ; 1.3 Summary ; 2. Manufacturing Feature Recognition Technology - State-of-the-Art 2.1 Evolving Representations for Design Models 2.2 Boundary Feature Recognition Scheme ; 2.2.1 Rule-based approach ; 2.2.2 Graph-based approach ; 2.2.3 Hint-based approach ; 2.2.4 Artificial neural networks-based approach ; 2.3 Volumetric Feature Recognition Scheme 2.3.1 Convex hull approach 2.3.2 Volume growing/decomposition approach ; 2.4 Integration of Design-by-Feature and Feature Recognition

; 2.5 Summary ; 3. A Hybrid Method for Interacting  
 Manufacturing Feature Recognition  
 ; 3.1 Introduction ; 3.2 Enhanced Attributed Adjacency  
 Graph  
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 3.2.2 Establishment of EAAG ; 3.3 Generation of  
 Potential Features ; 3.3.1 Identifications of  
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 ; 4.2.1 Feature models ; 4.2.2 Interacting relationships  
 between features  
 4.3 Manufacturing Features Recognition Processor

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Sommario/riassunto

With the rapid advances in computing and Internet technologies, an  
 integrated and collaborative environment, which is based on the  
 complementary functions of concurrent engineering and Internet-based  
 collaborative engineering, is imperative for companies to facilitate and  
 expedite the product realization processes. Topics such as concurrent  
 and collaborative engineering, feature-based design and  
 manufacturing, evolutionary computational techniques such as Tabu  
 Search, Simulated Annealing, Genetic Algorithms features, intelligent  
 and computer-aided process planning are important strategies and

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