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Zhou System; Main Results; Numerical Results; Adaptive Synchronization of the Hyperchaotic Zhou System; Main Results; Numerical Results; Conclusions; References; Secured Ontology Matching Using Graph Matching; Introduction; Related Work Graph Matching Technique UsedGeneralizing Hubs and Authorities[17]; Secured Ontology Mapping Using Graph Matching; Results; Conclusion; References; Image Restoration Using Knowledge from the Image; Introduction; Restoration Algorithm; Experimentation; Conclusion; References; Harmony-Based Feature Weighting to Improve the Nearest Neighbor Classification; Introduction; Related Works; Receiver Operating Characteristic (ROC); Proposed Method; Harmony Search (HS); Fitness Function; Experimental Results; Discussion; Conclusion; References Effectiveness of Different Partition Based Clustering Algorithms for Estimation of Missing Values in Microarray Gene Expression DataIntroduction; Different Partition-Based Clustering Algorithms for Estimaion of Missing Values; Notation; c-Means Clustering Algorithm; Fuzzy c-Means (FCM) Clustering Algorithm; Possibilistic c-Means (PCM) Clustering Algorithm; Fuzzy-Possibilistic c-Means (FPCM) Clustering Algorithm; Imputation of Missing Values; Experimental Results; Conclusion; References; MACREE - A Modern Approach for Classification and Recognition of Earthquakes and Explosions; Introduction Discriminative FeaturesRecognition Features; Decision Support System; The Working of Next Step; References; Building Concept System from the Perspective of Development of the Concept; Activities of Senior Intelligence; The Development of Concept System; FramNet; Semantic Web; Concept Map; Concept Lattice; HowNet; HNC; Ontology; Conclusions; References; E-Government Adoption: A Conceptual Demarcation; Introduction; E-Government; E-Government Services; Discussion: E-Government Adoption Factors; Discussions: E-Government Challenges; Conclusion; References Expert Webest Tool: A Web Based Application, Estimate the Cost and Risk of Software Project Using Function PointsIntroduction; Background and Related Work; Expert Webest Tool; Estimate the Cost of Project; Experimental Work; Conclusion; References; A Web-Based Adaptive and Intelligent Tutor by Expert Systems; Introduction; Intelligent E-Learning System; Adaptive E-Learning; Learning Styles; Proposed System; Learning Environment; Training Method; Learning Styles; Conclusion; References; Traffic Light Synchronization; Introduction; Existing System; Proposed Technology; Architecture Functional Units

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#### Sommario/riassunto

The international conference on Advances in Computing and Information technology (ACITY 2012) provides an excellent international forum for both academics and professionals for sharing knowledge and results in theory, methodology and applications of Computer Science and Information Technology. The Second International Conference on Advances in Computing and Information technology (ACITY 2012), held in Chennai, India, during July 13-15, 2012, covered a number of topics in all major fields of Computer Science and Information Technology including: networking and communications, network security and applications, web and internet computing, ubiquitous computing, algorithms, bioinformatics, digital image processing and pattern recognition, artificial intelligence, soft computing and applications. Upon a strength review process, a number of high-quality, presenting not only innovative ideas but also a founded evaluation and a strong argumentation of the same, were selected and collected in the present proceedings, that is composed of three

different volumes.

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