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                       by Yun Fu, Yunqian Ma

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   Descrizione fisica 1 online resource (263 p.)

   Disciplina   006.4

   Soggetti   Electrical engineering
                       Pattern recognition
                       Artificial intelligence
                       Signal processing
                       Image processing
                       Speech processing systems
                       Communications Engineering, Networks
                       Pattern Recognition
                       Artificial Intelligence
                       Signal, Image and Speech Processing

   Lingua di pubblicazione Inglese

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   Livello bibliografico Monografia

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   Nota di bibliografia Includes bibliographical references.

   Nota di contenuto   Multilevel Analysis of Attributed Graphs for Explicit Graph Embedding
                       in Vector Spaces -- Feature Grouping and Selection over an Undirected
                       Graph -- Median Graph Computation by Means of Graph Embedding
                       into Vector Spaces -- Patch Alignment for Graph Embedding -- Feature
                       Subspace Transformations for Enhancing K-Means Clustering --
                       Learning with 1-Graph for High Dimensional Data Analysis -- Graph-
                       Embedding Discriminant Analysis on Riemannian Manifolds for Visual
                       Recognition -- A Flexible and Effective Linearization Method for
                       Subspace Learning -- A Multi-Graph Spectral Approach for Mining
                       Multi-Source Anomalies -- Graph Embedding for Speaker Recognition.

   Sommario/riassunto Graph Embedding for Pattern Analysis covers theory methods,
                       computation, and applications widely used in statistics, machine

learning, image processing, and computer vision. This book presents the latest advances in graph embedding theories, such as nonlinear manifold graph, linearization method, graph based subspace analysis, L1 graph, hypergraph, undirected graph, and graph in vector spaces. Real-world applications of these theories are spanned broadly in dimensionality reduction, subspace learning, manifold learning, clustering, classification, and feature selection. A selective group of experts contribute to different chapters of this book which provides a comprehensive perspective of this field.