

1. Record Nr.	UNINA9910484213003321
Titolo	Similarity-Based Pattern Recognition : Third International Workshop, SIMBAD 2015, Copenhagen, Denmark, October 12-14, 2015. Proceedings // edited by Aasa Feragen, Marcello Pelillo, Marco Loog
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-24261-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (VIII, 229 p. 78 illus.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 9370
Disciplina	006.4
Soggetti	Pattern recognition Optical data processing Artificial intelligence Database management Algorithms Application software Pattern Recognition Image Processing and Computer Vision Artificial Intelligence Database Management Algorithm Analysis and Problem Complexity Information Systems Applications (incl. Internet)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	A Novel Data Representation based on a Second-Order Dissimilarity Measure -- Characterizing Multiple Instance Datasets -- Supervised learning of diffusion distance to improve histogram matching -- Similarity Analysis from Limiting Quantum Walks -- Introducing Negative Evidence in Ensemble Clustering -- Dissimilarity representations for low-resolution face recognition -- Deep metric learning using Triplet network -- Cluster Merging Based on Dominant Sets -- An Adaptive Radial Basis Function Kernel for Support Vector Data Description -- Robust initialization for learning Latent Dirichlet

Allocation -- Unsupervised Motion Segmentation Using Metric  
Embedding of Features -- Transitive Assignment Kernels for Structural  
Classification -- Large scale Indefinite Kernel Fisher Discriminant --  
Similarity-based User Identification across Social Networks --  
Dominant-Set Clustering Using Multiple Affinity Matrices -- Distance-  
Based Network Recovery under Feature Correlation -- Discovery of  
salient low-dimensional dynamical structure using Hopfield Networks  
-- On Geodesic Exponential Kernels -- A Matrix Factorization  
Approach to Graph Compression -- A Geometrical Approach to Find  
Corresponding Patches in 3D Medical Surfaces -- Similarities, SDEs,  
and Most Probable Paths -- Can the optimum similarity matrix be  
selected before clustering for graph-based approaches? --  
Approximate spectral clustering with utilized similarity information  
fusing geodesic based hybrid distance measures.

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Sommario/riassunto

This book constitutes the proceedings of the Third International  
Workshop on Similarity Based Pattern Analysis and Recognition, SIMBAD  
2015, which was held in Copenhagen, Denmark, in October 2015. The  
15 full and 8 short papers presented were carefully reviewed and  
selected from 30 submissions. The workshop focus on problems,  
techniques, applications, and perspectives: from supervised to  
unsupervised learning, from generative to discriminative models, and  
from theoretical issues to empirical validations.

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