

1. Record Nr.	UNINA9910409681803321
Titolo	Transactions on Computational Science XXXVI [[electronic resource]] : Special Issue on Cyberworlds and Cybersecurity // edited by Marina L. Gavrilova, C.J. Kenneth Tan, Alexei Sourin
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2020
ISBN	3-662-61364-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIII, 127 p. 84 illus., 75 illus. in color.)
Collana	Transactions on Computational Science, , 1866-4733 ; ; 12060
Disciplina	006.6
Soggetti	Optical data processing Computers Machine learning Computer Imaging, Vision, Pattern Recognition and Graphics Information Systems and Communication Service Machine Learning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	ORION: A Generic Model and Tool for Data Mining -- Environment Estimation for Glossy Reflections in Mixed Reality Applications Using a Neural Network -- Distance Measurements of CAD Models in Boundary Representation -- An Immersive Virtual Environment for Visualization of Complex and/or Infinitely Distant Territory -- Fast 3D Scene Segmentation and Partial Object Retrieval Using Local Geometric Surface Features -- Hybrid Nature-Inspired Optimization Techniques in Face Recognition.
Sommario/riassunto	The LNCS journal Transactions on Computational Science reflects recent developments in the field of Computational Science, conceiving the field not as a mere ancillary science but rather as an innovative approach supporting many other scientific disciplines. The journal focuses on original high-quality research in the realm of computational science in parallel and distributed environments, encompassing the facilitating theoretical foundations and the applications of large-scale computations and massive data processing. It addresses researchers

and practitioners in areas ranging from aerospace to biochemistry, from electronics to geosciences, from mathematics to software architecture, presenting verifiable computational methods, findings, and solutions, and enabling industrial users to apply techniques of leading-edge, large-scale, high performance computational methods. This, the 36th issue of the Transactions on Computational Science, is devoted to the area of Cyberworlds and Cybersecurity. The first four papers constitute extended versions of selected papers presented at the 2018 International Conference on Cyberworlds, CW 2018. A further two papers were accepted following an open Call for Papers and cover the areas of fast 3D segmentation using geometric surface features and nature-inspired optimization for face recognition. .
