1. Record Nr. UNINA9910254997903321

   Titolo The 1st International Conference on Advanced Intelligent System and Informatics (AISI2015), November 28-30, 2015, Beni Suef, Egypt / / edited by Tarek Gaber, Aboul Ella Hassanien, Nashwa El-Bendary, Nilanjan Dey

   Pubbl/distr/stampa Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016

   ISBN 3-319-26690-X

   Edizione [1st ed. 2016.]

   Descrizione fisica 1 online resource (516 p.)

   Collana Advances in Intelligent Systems and Computing, , 2194-5357 ; ; 407

   Disciplina 006.33

   Soggetti Artificial intelligence
   Computational intelligence
   Artificial Intelligence
   Computational Intelligence

   Lingua di pubblicazione Inglese

   Formato Materiale a stampa

   Livello bibliografico Monografia

   Note generali Description based upon print version of record.

   Nota di bibliografia Includes bibliographical references and index.

   Nota di contenuto Intelligent systems and informatics (I) -- Multimedia computing and social networks -- Hybrid Intelligent systems -- Cloud Computing and Big Data Mining.

   Sommario/riassunto The conference topics address different theoretical and practical aspects, and implementing solutions for intelligent systems and informatics disciplines including bioinformatics, computer science, medical informatics, biology, social studies, as well as robotics research. The conference also discuss and present solutions to the cloud computing and big data mining which are considered hot research topics. The conference papers discussed different topics – techniques, models, methods, architectures, as well as multi aspect, domain-specific, and new solutions for the above disciplines. The accepted papers have been grouped into five parts: Part I—Intelligent Systems and Informatics, addressing topics including, but not limited to, medical application, predicting student performance, action classification, and detection of dead stained microscopic cells, optical character recognition, plant identification, rehabilitation of disabled people. Part II—Hybrid Intelligent Systems, addressing topics including,

but not limited to, EMG signals, text classification, geomagnetic inverse problem, email filtering. Part III—Multimedia Computing and Social Networks, addressing topics including, but not limited to, augmented reality, telepresence robot, video flash matting, community detection, quality images, face thermal image extraction, MRI tumor segmentation. Part V—Cloud Computing and Big Data Mining, discussing topics including, but not limited to, mining on microblogs, query optimization, big data classification, access control, friendsourcing, and assistive technology. Part VI—Swarm Optimization and Its Applications, addressing topics including, but not limited to, solving set covering problem, adaptive PSO for CT liver segmentation, water quality assessment, attribute reduction, fish detection, solving manufacturing cell design problem.