1. Record Nr.   UNINA9910881090003321

   Titolo   7th EAI International Conference on Robotic Sensor Networks : EAI
                       ROSENET 2023 / / edited by Ömer Melih Gül, Paolo Fiorini, Seifedine
                       Nimer Kadry

   Pubbl/distr/stampa Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024

   ISBN   9783031644955
                       9783031644948

   Edizione   [1st ed. 2024.]

   Descrizione fisica 1 online resource (205 pages)

   Collana   EAI/Springer Innovations in Communication and Computing, , 2522-
                       8609

   Disciplina   629.892

   Soggetti   Telecommunication
                       Automatic control
                       Robotics
                       Automation
                       Computational intelligence
                       Communications Engineering, Networks
                       Control, Robotics, Automation
                       Computational Intelligence

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   Introduction -- An Intelligent Learning System based on Robotino
                       Mobile Robot Platform -- A Neocognitron Based on Multi-Objective
                       Optimization for Few-Shot Learning -- Milk temperature control
                       system of calf feeding robot based on fuzzy PID -- Bluff: A Multi-Robot
                       Dispersion based on Hybrid Reciprocal Velocity Obstacles to solve the
                       Blind Man's Buff problem -- Factors Influencing the Adoption of Robo
                       Advisory Services: A UnifiedTheory of Acceptance and Use of
                       Technology (UTAUT) Model Approach -- A multi-region feature
                       extraction and fusion strategy based CNN-Attention network for facial
                       expression recognition -- Real Time Surgical Instrument Object
                       Detection using Yolov7 -- A Lightweight Blockchain Framework for
                       Visual Homing and Navigation Robots -- Conclusion.

   Sommario/riassunto This book presents the proceedings of the 7th EAI International

Conference on Robotics and Networks 2023 (EAI ROSENET 2023). The conference explores the integration of networks, communications, and robotic technologies, which has become a topic of increasing interest for both researchers and developers from academic fields and industries worldwide. The authors posit that big networks will be the main approach to the next generation of robotic research, with the explosive number of communications and networks models and increasing computational power of computers significantly extending the number of potential applications for robotic technologies while also bringing new challenges to the communications and networking community. The conference provided a platform for researchers to share up-to-date scientific achievements in this field. The conference takes place at Bahcesehir University, Istanbul, Türkiye on 15-16 December 2023. Presents the proceedings from 7th EAI International Conference on Robotic Sensor Networks (ROSENET 2023); Features papers on topics ranging from robotics in medicine to robotics in rescue and surveillance; Includes perspectives from a multi-disciplinary selection of global researchers, academics, and professionals. .