Record Nr. UNINA9910882886403321 Autore **Balog Michal** Titolo The 2nd EAI International Conference on Automation and Control in Theory and Practice: ARTEP 2024 / / edited by Michal Balog, Angelina lakovets, Stella Hrehová, Khrystyna Berladir Cham:,: Springer Nature Switzerland:,: Imprint: Springer., 2024 Pubbl/distr/stampa **ISBN** 9783031592386 9783031592379 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (276 pages) Collana EAI/Springer Innovations in Communication and Computing, , 2522-8609 Altri autori (Persone) **lakovetsAngelina** HrehováStella BerladirKhrystyna Disciplina 629.8 Soggetti Control engineering Robotics Automation Control, Robotics, Automation Control and Systems Theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction -- Theoretical aspects of automation and control --Modern methods of automatic management -- Modeling and simulation -- Artificial intelligence in automation and control --Modern automation technologies in the context of Industry 4.0 --Means of automatic control -- HW and SW for the automation of machines and processes -- Examples of specific automation and industrial applications -- Conclusion. This book presents the proceedings of the EAI International Conference Sommario/riassunto on Automation and Control in Theory and Practice (ARTEP 2024), held in Orechová Potô, Slovakia, February 7-9, 2024. The aim of the conference was to meet the experts in the field of control, industrial automation and ICT in the industry from universities, colleges, and practice. The conference aims to draw attention to modern trends in

the field, to enable experts, pedagogues and scientific researchers to

present the results achieved in their work, to exchange experiences and establish working contacts between meeting participants. The ARTEP proceedings includes papers on automation and control and their integration of technologies such as Industry 4.0, robotics, and IoT. ARTEP is primarily a conference for scientists and practitioners who develop and study automation, management, and technologies. Presents the proceedings of the EAI International Conference on Automation and Control in Theory and Practice (ARTEP); Includes papers on automation and control and their integration of technologies such as Industry 4.0, robotics, and IoT; Features topics for scientists and practitioners who develop and study automation, management, and technologies.