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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.
Sommario/riassunto	This book presents the proceedings of the EAI International Conference 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.

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