

1. Record Nr.	UNINA9910739487703321
Titolo	Advances in Automation II : Proceedings of the International Russian Automation Conference, RusAutoConf2020, September 6-12, 2020, Sochi, Russia / / edited by Andrey A. Radionov, Vadim R. Gasiyarov
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-71119-6
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (1,009 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 729
Disciplina	670.427
Soggetti	Telecommunication Automatic control Manufactures Electric power production Communications Engineering, Networks Control and Systems Theory Machines, Tools, Processes Electrical Power Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Dynamic selection of variables when analyzing the state of technological processes -- Method of implementation of the universal emulator on the example of powerPC family processors -- Use of bootstrap interface for implementation of the algorithm of a small sample increase of biometric data -- Study of the technological and economic parameters dependence of a 300 MW power plant on changes in the heating and electrical load -- Ensuring observability and controllability of complex technical systems in difficult and irregular situations when commands with a large distortion component are received.
Sommario/riassunto	This book reports on innovative research and developments in automation. Spanning a wide range of disciplines, including communication engineering, power engineering, control engineering, instrumentation, signal processing and cybersecurity, it focuses on

methods and findings aimed at improving the control and monitoring of industrial and manufacturing processes as well as safety. Based on the International Russian Automation Conference, held on September 6–12, 2020, in Sochi, Russia, the book provides academics and professionals with a timely overview of and extensive information on the state of the art in the field of automation and control systems, and fosters new ideas and collaborations between groups in different countries. .
