Record Nr. UNINA9910828746703321 Advanced control systems: theory and applications / / Yuriy P. **Titolo** Kondratenko [and three others], editors Pubbl/distr/stampa Denmark:,: River Publishers,, [2021] ©2021 **ISBN** 1-000-79722-8 1-00-333701-5 1-003-33701-5 1-000-79406-7 1-5231-4437-8 87-7022-340-8 Edizione [1st ed.] Descrizione fisica 1 online resource (478 pages) River Publishers series in automation, control and robotics Collana Disciplina 629.8 Soggetti Automatic control Programmable controllers Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover -- Half Title -- Series Page -- Title Page -- Copyright Page --Table of Contents -- Preface -- List of Contributors -- List of Figures -- List of Tables -- List of Abbreviations -- I: Advances in Theoretical Research on Automatic Control -- 1: On Descriptor Control Impulsive Delay Systems that Arise in Lumped-Distributed Circuits -- 1.1 Introduction -- 1.2 Example of Descriptor Control System -- 1.3 Restrictions, Definitions, and States of System -- 1.4 A Nonlinear Circuit with Transmission Lines in the Presence of Pulse Perturbations -- 1.5 Conclusion -- 2: An Extremal Routing Problem with Constraints and Complicated Cost Functions -- 2.1 Introduction -- 2.2 General Notions and Designations -- 2.3 General Routing Problem and Its Specific Variant -- 2.4 Dynamic Programming, 1 -- 2.5 Dynamic Programming, 2 -- 2.6 Computational Experiment -- 2.7 Conclusion

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