Record Nr. UNINA9910823045803321 **Titolo** Adaptive systems in control and signal processing 1995: a postscript volume from the 5th IFAC Symposium, Budapest, Hungary, 14-16 June 1995 / / edited by Cs. Banyasz Oxford, England:,: Pergamon,, 1995 Pubbl/distr/stampa ©1995 **ISBN** 1-4832-9689-X Edizione [First edition.] Descrizione fisica 1 online resource (491 p.) Collana IFAC Postprint Volume Disciplina 629.8/36 629.836 Soggetti Adaptive control systems Adaptive signal processing Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "5th IFAC Symposium on Adaptive Systems in Control and Signal Processing 1995." "Published for the International Federation of Automatic Control." Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Nota di contenuto ""Front Cover""; ""Adaptive Systems in Control and Signal Processing 1995""; ""Copyright Page""; ""Table of Contents""; ""Part I: PLENARY SESSIONS"": ""Chapter 1. IDENTIFICATION FOR CONTROL"": ""1. INTRODUCTION""; ""2. IDENTIFICATION IN OPEN AND CLOSED LOOP""; ""3. THE DUAL CONTROL APPROACH""; ""4. OPTIMAL IDENTIFICATION DESIGN FOR CONTROL"": ""5. MATCHING IDENTIFICATION AND CONTROL CRITERION""; ""6. CONCLUSIONS""; ""ACKNOWLEDGEMENTS""; ""7. REFERENCES""; ""Chapter 2. COMBINED IDENTIFICATION AND CONTROL: ANOTHER WAY"": ""1. INTRODUCTION"": ""2. A NEW CONTROLLER STRUCTURE"" ""3. A GENERIC SCHEME FOR OPTIMAL POLEPLACEMENT CONTROLLERS"""4. COMBINED MENTIFICATION AND CONTROL SCHEMES""; ""5. COMPARISON OF THE DIFFERENT SCHEMES""; ""6. ON THE GENERIC OPTIMAL CONTROLLER SCHEME""; ""7. EXAMPLES FOR OFF-LINE ITERATIVE REGULATOR REFINEMENT": ""8. A WORST-CASE OPTIMAL INPUT DESIGN ALGORITHM FOR OFF-LINE CLCR IDENTIFICATION""; ""9. EXAMPLES FOR CLCR IDENTIFICATION BASED ON OPTIMAL INPUT DESIGN""; ""10. ADAPTIVE SOLUTION FOR THE ON-LINE ITERATIVE REGULATOR REFINEMENT""; ""11. THE CONCEPT OF AN ADAPTIVE ""TRIPLECONTROL"""; ""12. ADAPTIVE EXAMPLES""; ""13. CONCLUSIONS""

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Sommario/riassunto

Leading academic and industrial researchers working with adaptive systems and signal processing have been given the opportunity to exchange ideas, concepts and solutions at the IFAC Symposia on Adaptive Systems in Control and Signal Processing. This postprint volume contains all those papers which were presented at the 5th IFAC Symposium in Budapest in 1995. The technical program was composed of a number of invited and contributed sessions and a special case study session, providing a good balance between applications and theory oriented papers.