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Titolo	Analysis, design and evaluation of man-machine systems : proceedings of the IFAC/IFIP/IFORS/IEA conference, Baden-Baden, Federal Republic of Germany, 27-29 September 1982 // edited by G. Johannsen and J.E. Rijnsdorp
Pubbl/distr/stampa	Oxford, England : , : Pergamon Press, , 1983 ©1983
ISBN	1-4831-9053-6
Edizione	[First edition.]
Descrizione fisica	1 online resource (443 p.)
Collana	IFAC Proceedings Series
Disciplina	620.8/2
Soggetti	Human-machine systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Front Cover; Analysis, Design and Evaluation of Man-Machine Systems; Copyright Page; IFAC/IFIP/IFORS/IEA CONFERENCE ON ANALYSIS, DESIGN AND EVALUATION OF MAN-MACHINE SYSTEMS; SESSION CHAIRMEN (AND SECRETARIES - S); PREFACE; Table of Contents; MAN-MACHINE SYSTEMS - INTRODUCTION AND BACKGROUND; DEFINITION AND PURPOSE OF MAN-MACHINE SYSTEMS; HISTORICAL AND SCIENTIFIC BACKGROUND; HUMAN TASK CATEGORIES; REFERENCES; Chapter 1. PERSPECTIVES ON HUMAN PERFORMANCE; INTRODUCTION; PSYCHOLOGICALLY-BASED MODELS; CONTROL THEORETIC APPROACH TO MODELLING HUMAN PERFORMANCE; A TEMPTING SYNTHESIS; DISCUSSION REFERENCESChapter 2. VISUAL SCAN AND PERFORMANCE - INDICATORS OF MAN'S WORKLOAD?; INTRODUCTION; RESULTS; CONCLUSIONS; REFERENCES; Chapter 3. CONSTRUCTION AND APPLICATION OF A COMBINED NETWORK AND PRODUCTION SYSTEMS MODEL OF PILOT BEHAVIOUR ON AN ILS-APPROACH; INTRODUCTION; PROBLEM DEFINITION; PROBLEM REPRESENTATION; MODEL IMPLEMENTATION; SIMULATION OF THE ILS-APPROACH; MODEL VALIDATION; ANALYSIS OF SIMULATION OUTPUT DATA; CONCLUSIONS; REFERENCES; Chapter 4. A FUZZY MODEL OF DRIVER BEHAVIOUR: COMPUTER SIMULATION AND

EXPERIMENTAL RESULTS; INTRODUCTION; MODEL OF DRIVER-BEHAVIOUR
DIGITAL SIMULATIONEXPERIMENTAL PROCEDURE; RESULTS; DISCUSSION;
CONCLUSION; REFERENCES; APPENDIX; Chapter 5. THE AIR TRAFFIC
CONTROLLER'S PICTURE AS AN EXAMPLE OF A MENTAL MODEL;
INTRODUCTION; INTERVIEWS WITH TRAINING CONTROLLERS; VERBAL
PROTOCOLS FROM A STUDY OF SECTOR HANDOVER; REPLAY
TECHNIQUE: THE INVESTIGATION OF ESTABLISHED PICTURE; THE
DEVELOPMENT OF THE REPLAY TECHNIQUE; REFERENCES; Chapter 6.
THE DERIVATION OF HANDLING QUALITIES CRITERIA FROM PRECISION
PILOT MODEL CHARACTERISTICS; INTRODUCTION; CLOSED LOOP
ANALYSIS; CONCLUSIONS; CONSEQUENCES; REFERENCES; DISCUSSION
OF SESSION 1
Chapter 7. ON THE MODELLING OF THE HUMAN PROCESS
OPERATORINTRODUCTION; TOWARDS A NEW CONTROL ROOM;
CONCLUSIONS; REFERENCES; Chapter 8. AN INTEGRATED DISPLAY SET
FOR PROCESS OPERATORS; INTRODUCTION; SYSTEM REPRESENTATION;
INFORMATION DISPLAY STRUCTURE; AN EXAMPLE; CONCLUSION;
REFERENCES; Chapter 9. A MULTI-LEVEL ALARM INFORMATION
PROCESSING SYSTEM APPLIED TO THERMAL POWER PLANT;
INTRODUCTION; MULTI-LEVEL ALARM INFORMATION PROCESSING
SYSTEM; DESIGN AND IMPLEMENTATION; EVALUATION; CONCLUSION;
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Chapter 10. ERGONOMIC ASPECTS OF WORKING PLACES WITH VDU'S IN
CONTROL ROOMS - COMPARISON TO WORKING PLACES WITH VDU'S IN
OFFICESINTRODUCTION; DESCRIPTION OF TYPICAL CLASSES OF WORK
STATIONS WITH VDU'S; METHOD OF INVESTIGATION; RESULTS;
ACKNOWLEDGEMENTS; REFERENCES; Chapter 11. CONTROL AND
SUPERVISION OF THE EURELIOS SOLAR POWER PLANT: DESIGN
PHILOSOPHY AND OPERATION EXPERIENCE; INTRODUCTION; OVERALL
SYSTEM ORGANIZATION; PLANT MODELLING AND OPERATION; PLANT
CONTROL AND AUTOMATION; MAN-MACHINE INTERACTION; THE
SUPERVISION SYSTEM; CONCLUDING REMARKS; ACKNOWLEDGEMENTS;
REFERENCES
Chapter 12. COMPUTER AIDED CONTROL STATION WITH COLOURED
DISPLAY FOR PRODUCTION CONTROL

Sommario/riassunto

Analysis, Design, & Evaluation of Man-Machine Systems presents an examination of the construction and application of a combined network and production systems model. It discusses the computer simulation and experimental results of a fuzzy model of driver behavior. It addresses the ergonomic aspects of working places in control rooms. Some of the topics covered in the book are the control and supervision of the eurelios solar power plant; computer aided control station with coloured display for production control; dynamic and static models for nuclear reactor operators; ironies of automation; a

2. Record Nr.	UNINA9910975309703321
Titolo	Allocating federal funds for state programs for English language learners // National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, 2011
ISBN	9786613213396 9780309216739 0309216737 9781283213394 1283213397 9780309186599 0309186595
Edizione	[1st ed.]
Descrizione fisica	1 online resource (239 p.)
Disciplina	379.121
Soggetti	English language - Study and teaching - Foreign speakers - United States - Finance Education - Finance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Panel to Review Alternative Data Sources for the Limited-English Proficiency Allocation Formula under Title III, Part A, Elementary and Secondary Education Act, Committee on National Statistics and Board on Testing and Assessment, Division of Behavioral and Social Sciences and Education."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Front Matter""; ""Acknowledgments""; ""Contents""; ""Tables, Figures, and Boxes""; ""Acronyms and Abbreviations""; ""Summary""; ""1 Introduction""; ""2 American Community Survey Estimates""; ""3 Quality and Comparability of State Tests of English Language Proficiency""; ""4 State Procedures for Identifying and Classifying English Language Learners""; ""5 Comparison of American Community Survey Estimates and State Counts""; ""6 Comparability of Estimates of Immigrant School-Age Children""; ""7 Decision Criteria and Recommendations""; ""References and Bibliography"" ""Appendix A: Review of English Language Proficiency Tests"" Appendix B: Biographical Sketches of Panel Members and Staff"";

As the United States continues to be a nation of immigrants and their children, the nation's school systems face increased enrollments of students whose primary language is not English. With the 2001 reauthorization of the Elementary and Secondary Education Act (ESEA) in the No Child Left Behind Act (NCLB), the allocation of federal funds for programs to assist these students to be proficient in English became formula-based: 80 percent on the basis of the population of children with limited English proficiency and 20 percent on the basis of the population of recently immigrated children and youth. Title III of NCLB directs the U.S. Department of Education to allocate funds on the basis of the more accurate of two allowable data sources: the number of students reported to the federal government by each state education agency or data from the American Community Survey (ACS). The department determined that the ACS estimates are more accurate, and since 2005, those data have been basis for the federal distribution of Title III funds. Subsequently, analyses of the two data sources have raised concerns about that decision, especially because the two allowable data sources would allocate quite different amounts to the states. In addition, while shortcomings were noted in the data provided by the states, the ACS estimates were shown to fluctuate between years, causing concern among the states about the unpredictability and unevenness of program funding. In this context, the U.S. Department of Education commissioned the National Research Council to address the accuracy of the estimates from the two data sources and the factors that influence the estimates. The resulting book also considers means of increasing the accuracy of the data sources or alternative data sources that could be used for allocation purposes.