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| 1. Record Nr.           | UNINA9910703861803321   |
| Autore                  | Middleton D. R (Dan R.)   |
| Titolo                  | Field evaluation of detection-control system / / Dan Middleton [and five others]  |
| Pubbl/distr/stampa      | McLean, VA : , : U.S. Department. of Transportation, Federal Highway Administration, Research, Development, and Technology, Turner-Fairbank Highway Research Center, , April 2015 |
| Descrizione fisica      | 1 online resource (118 unnumbered pages) : color illustrations  |
| Soggetti                | Vehicle detectors - Evaluation<br>Traffic flow - Measurement - Equipment and supplies - Evaluation<br>Traffic flow - United States - Management                                   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Title from title screen (viewed on July 17, 2015).<br>"FHWA-HRT-14-058."<br>"April 2015."   |
| Nota di bibliografia    | Includes bibliographical references (pages 105-106).  |

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| 2. Record Nr.           | UNINA9910437916803321  |
| Autore                  | Starczewski Janusz T   |
| Titolo                  | Advanced concepts in fuzzy logic and systems with membership uncertainty // Janusz T. Starczewski  |
| Pubbl/distr/stampa      | Berlin ; ; New York, : Springer, c2013   |
| ISBN                    | 9783642295201<br>3642295207  |
| Edizione                | [1st ed. 2013.]  |
| Descrizione fisica      | 1 online resource (XII, 308 p.)  |
| Collana                 | Studies in fuzziness and soft computing, , 1434-9922 ; ; 284   |
| Disciplina              | 511.3/223  |
| Soggetti                | Fuzzy sets<br>Uncertainty (Information theory)<br>Fuzzy logic  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph  |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Uncertainty in Fuzzy Sets -- Algebraic Operations on Fuzzy Valued Fuzzy Sets -- Defuzzification of Uncertain Fuzzy Sets -- Generalized Uncertain Fuzzy Logic Systems -- Uncertainty Generation in Uncertain Fuzzy Logic Systems -- Designing Uncertain Fuzzy Logic Systems.  |
| Sommario/riassunto      | This book generalizes fuzzy logic systems for different types of uncertainty, including - semantic ambiguity resulting from limited perception or lack of knowledge about exact membership functions - lack of attributes or granularity arising from discretization of real data - imprecise description of membership functions - vagueness perceived as fuzzification of conditional attributes. Consequently, the membership uncertainty can be modeled by combining methods of conventional and type-2 fuzzy logic, rough set theory and possibility theory. In particular, this book provides a number of formulae for implementing the operation extended on fuzzy-valued fuzzy sets and presents some basic structures of generalized uncertain fuzzy logic systems, as well as introduces several of methods to generate fuzzy membership uncertainty. It is desirable as a reference book for under-graduates in higher education, master and doctor graduates in the courses of computer science, computational intelligence, or fuzzy control and classification, and is especially dedicated to researchers |

and practitioners in industry. .

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