Record Nr. UNINA9910438049103321 Advances in mechanical and electronic engineering. Volume 3 / / **Titolo** David Jin and Sally Lin (eds.) Pubbl/distr/stampa Berlin; ; New York, : Springer, 2012, c2013 **ISBN** 1-283-63139-3 9786613943842 3-642-31528-3 Edizione [1st ed. 2013.] Descrizione fisica 1 online resource (525 p.) Collana Lecture notes in electrical engineering, , 1876-1100; ; 178 Altri autori (Persone) **JinDavid** LinSally Disciplina 621.3 Soggetti Mechanical engineering Electrical engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia International conference proceedings. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Title Page: Preface: Committee: Contents: Section I: Electronic Engineering and Electronic Communication; Section II: Electronic Engineering and Electronic Image Processing: Analysis of Attacks on Data Aggregation Protocol in Electronic Communication Technologies: Introduction; Types of Attacks on WSN Aggregation; Sybil Attack; Wormhole Attack; Selective Forwarding Attack; Denial of Service Attack; Stealthy Attack; Replay Attack; Data Aggregation Protocols Analysis; Tree-Based Data Aggregation Protocols; Cluster-Based Data Aggregation Protocols: Comparison: Conclusion: References Mixed Collaborative Detection Based on the SNRIntroduction; Single-Node Detection; Collaborative Detection; Mixed Collaborative Detection Based on the SNR; Simulation; Conclusion; References; The Optimization Design of Main Circuit for Hybrid Active Power Filter: Introduction; Description of HAPF Optimization Issue; The Improved PSO Algorithm; Experiment; Conclusion; References; Research of FMCW for Perfect Binary Sequences Pairs; Introduction; The Principle of FMCW

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Sommario/riassunto

This book includes the volume 3 of the proceedings of the 2012 International Conference on Mechanical and Electronic Engineering (ICMEE2012), held at June 23-24,2012 in Hefei, China. The conference provided a rare opportunity to bring together worldwide researchers who are working in the fields. This volume 3 is focusing on Electronic Engineering and Electronic Communication; Electronic Engineering and Electronic Image Processing.