Multisensor Data Fusion: From Algorithms and Architectural Design to Applications (Devices, Circuits, and Systems)

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Multisensor Data Fusion: From Algorithms and Architectural Design to Applications covers the contemporary theory and practice of multisensor data fusion, from fundamental concepts to cutting-edge techniques drawn from a broad array of disciplines. Featuring contributions from the world's leading data fusion researchers and academicians, this authoritative book:

- Presents state-of-the-art advances in the design of multisensor data fusion algorithms, addressing issues related to the nature, location, and computational ability of the sensors
- Describes new materials and achievements in optimal fusion and multisensor filters
- Discusses the advantages and challenges associated with multisensor data fusion, from extended spatial and temporal coverage to imperfection and diversity in sensor technologies
- Explores the topology, communication structure, computational resources, fusion level, goals, and optimization of multisensor data fusion system architectures
- Showcases applications of multisensor data fusion in fields such as medicine, transportation's traffic, defense, and navigation

Multisensor Data Fusion: From Algorithms and Architectural Design to Applications is a robust collection of modern multisensor data fusion methodologies. The book instills a deeper understanding of the basics of multisensor data fusion as well as a practical knowledge of the problems that can be faced during its execution.

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Editorial Review

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