

# Automotive Radar Sensors in Silicon Technologies

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## Reviews

This book is great. I have go through and so i am confident that i will going to read through once again again in the future. I am just easily can get a satisfaction of looking at a written book. (Miss Vernie Schimmel)

### AUTOMOTIVE RADAR SENSORS IN SILICON TECHNOLOGIES



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Springer-Verlag Gmbh Nov 2012, 2012. Buch. Book Condition: Neu. 244x155x13 mm. Neuware - This book presents architectures and design techniques for mm-wave automotive radar transceivers. Several fully-integrated transceivers and receivers operating at 22-29 GHz and 77-81 GHz are demonstrated in both CMOS and SiGe BiCMOS technologies. Excellent performance is achieved indicating the suitability of silicon technologies for automotive radar sensors. This book bridges an existing gap between information available on dependable system/architecture design and circuit design. It provides the background of the field and detailed description of recent research and development of silicon-based radar sensors. System-level requirements and circuit topologies for radar transceivers are described in detail. Holistic approaches towards designing radar sensors are validated with several examples of highly-integrated radar ICs in silicon technologies. Circuit techniques to design millimeter-wave circuit topologies for radar transceivers and fundamentals of automotive radar sensors;Bridges the current gap between publications on system/architecture design and circuit design for automotive radar sensors;Describes in detail system-level requirements and circuit topologies for radar transceivers towards designing radar sensors;Describes in detail system-level requirements and circuit topologies for automotive radar sensors;Describes in detail system-level requirements and circuit topologies for radar transceivers;Validates holistic approaches towards designing radar sensors;Describes in detail system-level requirements and circuit topologies for radar transceivers;Validates holistic approaches towards designing radar sensors with several examples of highly-integrated radar ICs in silicon technologies. 97 pp. Englisch.

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