

Radar System

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Abstract: *The first radar system was invented 110 years earlier. In the meantime, the applications have been diverse and the device principles for the available technology have been embraced. Typical uses include speed control, air traffic control, digital radar, airborne and space borne operations, military applications, and remote sensing. Work on medical radar systems is well underway for the diagnosis and localization of breast cancer. Automotive safety and autonomous driving radar has meanwhile been developed by millions each year. In the coming years, numerous innovations in radar system technology followed, state-of - the-art radar technology designs will face almost a revolt. Despite major advances, radar system development has not been developed in the past 20 years, such as electronics or other innovations. In a few years 'time, some of these emerging developments will enter radar and revolutionize the principles of radar systems. It would require new radar technologies and solutions to the analysis of radar signals.*

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