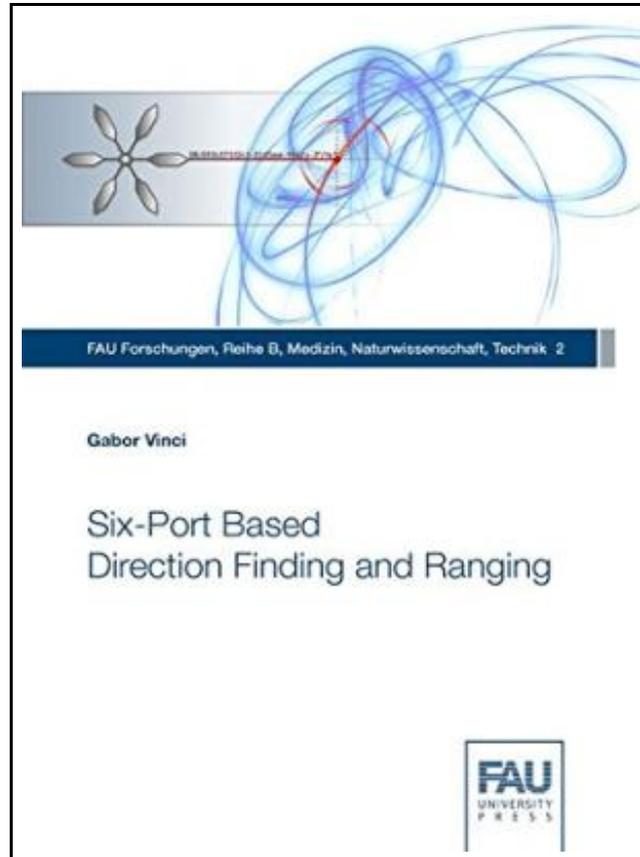


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FAU University Press Mai 2014, 2014. Taschenbuch. Book Condition: Neu. 241x172x15 mm. Neuware - Direction finding and ranging techniques find a large number of applications from security purposes through the medical sector to industrial automation. In this work, an innovative technique based on the Six-Port receiver principles presented together with hardware prototypes developed by the author. Angular measurements in the range of a few milli-degrees for direction-of-arrival detection as well as a distance measurement resolution in a one-digit micrometer range have been achieved. Gabor Vinci obtained the Bachelor's degree in Microelectronics at the University of Padua, Italy, and concluded the Master of Science in Microwave Engineering at the Technische Universität in Munich, Germany. He worked at the Daimler Research Center and at the Institute for Electronics Engineering at the University of Erlangen-Nuremberg. His PhD Studies were focused on research topics related to innovative radar technology for automotive and industrial applications. He earned his doctoral degree with 'Summa cum Laude' for the work presented in this publication. Furthermore, he authored or co-authored over 40 publications in the areas of interest and serves as a reviewer for several journals and conferences, being a member of the IEEE and MTTs. He worked on several industrial projects in different technical areas and registered three international patents. At present, he works as a Lead Engineer for R&D Industrial and Automotive Division at InnoSenT GmbH. Currently, his research interests are in the areas of microwave circuits and systems, local positioning, Six-Port technique, antenna design and short-range, high resolution radar. 156 pp. Englisch.



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