



## Basic Research in Information Science and Technology for Air Force Needs (Paperback)

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By Committee on Directions for the AFOSR Mathematics and Space Sciences Directorate Related to Informat, Board on Mathematical Sciences and Their Applications, Division on Engineering and Physical Sciences

National Academies Press, United States, 2006. Paperback. Book Condition: New. New.. 229 x 152 mm. Language: English . Brand New Book. The U.S. Air Force is developing new force capabilities appropriate to an emerging array of threats. It is clear that advances in information science and technology (IST) are essential for most of these new capabilities. As a consequence, the Air Force is finding it necessary to refocus its IST basic research program to provide stronger support for reaching these goals. To assist this effort, the AFOSR asked the NRC for a study to create a vision and plan for the IST-related programs within the Office of Mathematical and Space Science Directorate. This report provides an assessment of basic research needs for Air Force systems and communications, software, information management and integration, and human interactions with IST systems. The report also offers a set of priorities for basic IST research, and an analysis of funding mechanisms its support.



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