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The Infrared & Electro-Optical Systems Handbook. Countermeasure Systems, Volume 7.

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Title : The Infrared & Electro-Optical Systems Handbook. Countermeasure Systems, Volume 7,

Corporate Author : INFRARED INFORMATION AND ANALYSIS CENTER ANN ARBOR MI

Personal Author(s) : Pollock, David H. ; Accetta, Joseph S. ; Shumaker, David L.

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Abstract : The Infrared and Electro-Optical Systems Handbook is a joint product of the Infrared Information Analysis Center (IRIA) and the International Society for Optical Engineering (SPIE). Sponsored by the Defense Technical Information Center (DTIC), this work is an outgrowth of its predecessor, The Infrared Handbook, published in 1978. The

circulation of nearly 20,000 copies is adequate testimony to its wide acceptance in the electro-optics and infrared communities. The Infrared Handbook was itself preceded by The Handbook of Military Infrared Technology. Since its original inception, new topics and technologies have emerged for which little or no reference material exists. This work is intended to update and complement the current Infrared Handbook by revision, addition of new materials, and reformatting to increase its utility. Of necessity, some material from the current book was reproduced as is, having been adjudged as being current and adequate. The 45 chapters represent most subject areas of current activity in the military, aerospace, and civilian communities and contain material that has rarely appeared so extensively in the open literature. Because the contents are in part derivatives of advanced military technology, it seemed reasonable to categorize those chapters dealing with systems in analogy to the specialty groups comprising the annual Infrared Information Symposia (IRIS), a Department of Defense (DoD) sponsored forum administered by the Infrared Information Analysis Center of the Environmental Research Institute of Michigan (ERIM); thus, the presence of chapters on active, passive, and countermeasure systems. It is organized into eight volumes. Volume 7, edited by David Pollock, consultant, treats a number of countermeasure topics rarely appearing in the open literature.

Descriptors : *INFRARED COUNTERMEASURES , ANTIMISSILE DEFENSE SYSTEMS , CAMOUFLAGE , HANDBOOKS , DEFENSE SUPPRESSION , OBSCURATION , WARNING SYSTEMS.

Subject Categories : OPTICAL COUNTERMEASURES
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