

Abstracts

Recent European Developments in Active Microwave Imaging for Industrial, Scientific, and Medical Applications

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At the beginning of the 1980's, research programs devoted to short-range active microwave imaging were initiated in Europe. Since that time, a permanent research effort has been organized and oriented toward the development of microwave imaging equipment for industrial and medical applications. This effort has been conducted within the framework of national or European cooperative programs. This paper presents some representative results which have been obtained during the last decade and discusses the general trends concerning their continuation and extension in the next few years. Without underestimating theoretical aspects and their importance for the further evolution of microwave imaging techniques, special emphasis has been given to equipment which provides the real measure of the impact of the recently developed microwave imaging technologies in a growing field of applications.

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