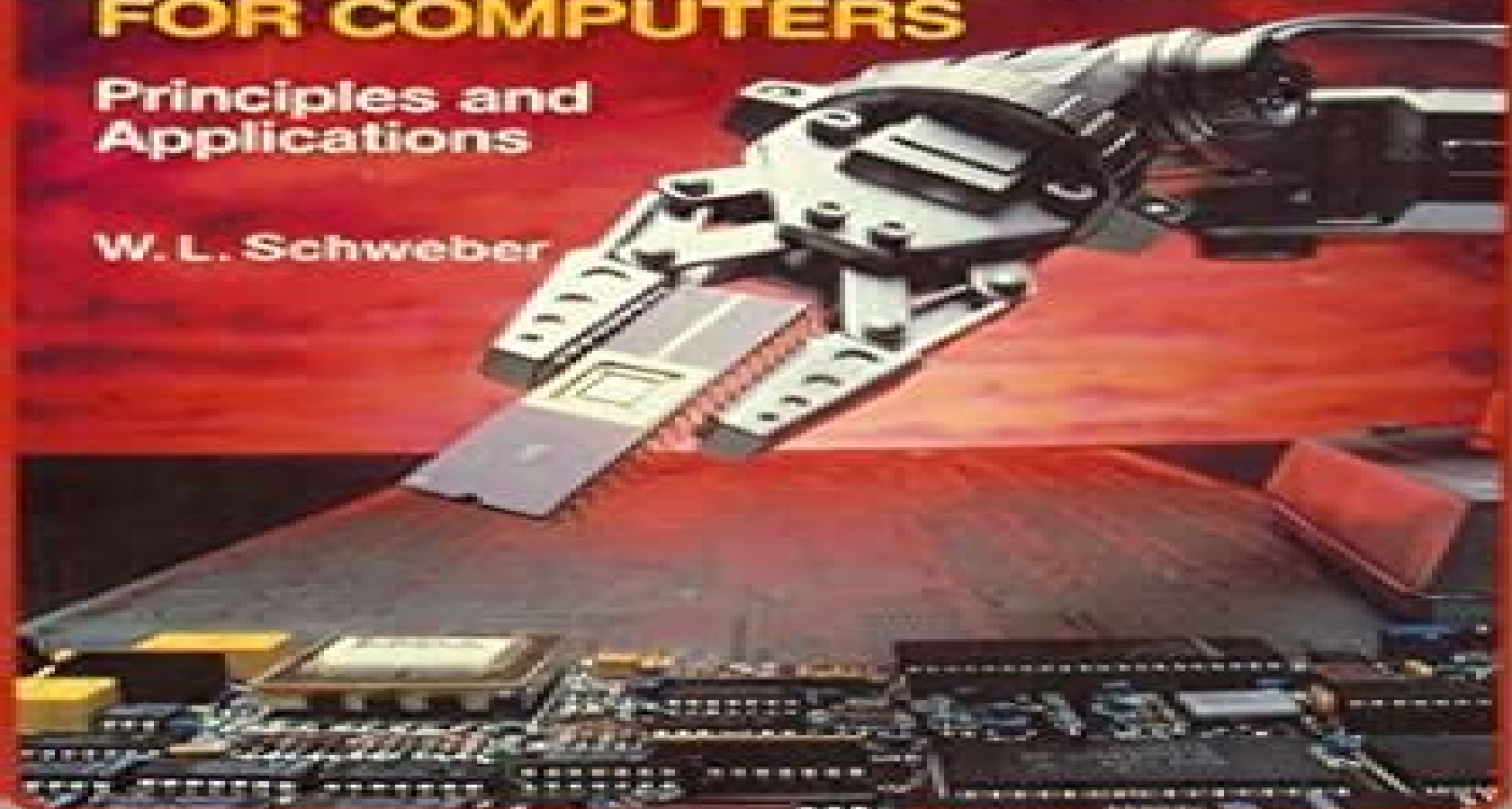


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Government Reports Announcements ,1974 **Scientific and Technical Aerospace Reports** ,1990 An Artificial Intelligence Approach to Integrated Circuit Floorplanning Marwan A. Jabri, 2012-12-06 In 1984 while I was following his

postgraduate course on VLSI design my supervisor Dr David Skellern asked me if I was interested in investigating intelligent approaches to automatic layout floorplanning He told me then a circuit that works always looks nice has a clever data and control flow A fast way to look at students layout projects is by looking at their floorplans Later I took a course on Knowledge Engineering KE and Artificial Intelligence AI with Professor John Gero who encouraged me to investigate this area of design automation The resources for such development were really poor at IS E as KE was a relatively new field of research in Australia at that time Whatever the difficulties a good programmer never blames his tools as David Skellern used to tell me I undertook the investigation of Knowledge Based approaches to layout planning as my PhD thesis subject with the help of my supervisor and John Gero and the encouragement of all researchers at IS E who provided an exciting environment for my research This volume reports the results of my research during 1984 1985 1986 and 1987 The volume deals with layout floorplanning from four perspectives floorplanning strategy Knowledge Engineering in the layout domain the development of knowledge based floorplan ning processes and new floorplanning algorithms for use in the overall strategy Analog Design Issues in Digital VLSI Circuits and Systems Juan J. Becerra, Eby G. Friedman, 2012-12-06 Analog Design Issues in Digital VLSI Circuits and Systems brings together in one place important contributions and up to date research results in this fast moving area Analog Design Issues in Digital VLSI Circuits and Systems serves as an excellent reference providing insight into some of the most challenging research issues in the field **Research and Technology Program Digest Flash Index** ,1967

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