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Integrated circuit design, or IC design, is a subset of electronics engineering, encompassing the particular logic and circuit design techniques required to design integrated circuits, or ICs. ICs consist of miniaturized electronic components built into an electrical network on a monolithic semiconductor substrate by photolithography.. IC design can be divided into the broad categories of ...Digital VLSI Design Verification practices have evolved and they continue to evolve rapidly. Historically, writing directed tests and simulating them against a design was a laborious and time consuming process. With exploding design complexity, verifying a design has become the most critical task and is usually the longest pole in a project schedule. Electronic design automation (EDA), also referred to as electronic computer-aided design (ECAD), is a category of software tools for designing electronic systems such as integrated circuits and printed circuit boards. The tools work together in a design flow that chip designers use to design and analyze entire semiconductor chips. Since a modern semiconductor chip can have billions of ...15 th International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design SMACD 2018 2 nd - 5 th of July 2018, Prague, Czech Republic
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