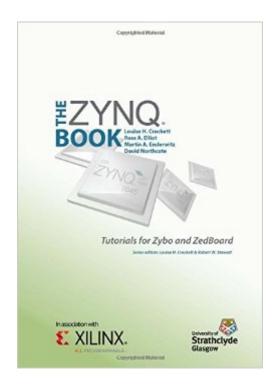
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The Zynq Book Tutorials For Zybo And ZedBoard





Synopsis

This book comprises a set of five tutorials, and provides a practical introduction to working with Zynq-7000 All Programmable System on Chip, the family of devices from Xilinx that combines an application-grade ARM Cortex-A9 processor with traditional FPGA logic fabric. It is a companion text for 'The Zynq Book' (ISBN-13: 978-0992978709). The tutorials target two popular Zynq development boards: the ZedBoard, and the lower cost Zybo. Working through, the reader will take first steps with the Vivado integrated development environment and Software Developers Kit (SDK), and be introduced to the methodology of developing embedded systems based on Zynq. Different methods of creating Intellectual Property (IP) cores are demonstrated, including the use of Vivado High Level Synthesis (HLS), and these IPs are later combined to form a complete audio-based embedded system. These tutorials are set at the introductory level, and are suitable for undergraduate / postgraduate teaching, as well as self-learning by researchers, professional engineers, and hobbyists. Example and support files can be downloaded from the book's companion website.

Book Information

Paperback: 188 pages Publisher: Strathclyde Academic Media (August 12, 2015) Language: English ISBN-10: 0992978734 ISBN-13: 978-0992978730 Product Dimensions: 8.3 x 0.4 x 11.7 inches Shipping Weight: 12.6 ounces (View shipping rates and policies) Average Customer Review: 3.0 out of 5 stars Â See all reviews (1 customer review) Best Sellers Rank: #407,536 in Books (See Top 100 in Books) #25 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic #38 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Microprocessors & System Design #39 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System

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