

# THE ZYNQ. BOOK

Louise H. Crockett  
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## *Tutorials for Zybo and ZedBoard*

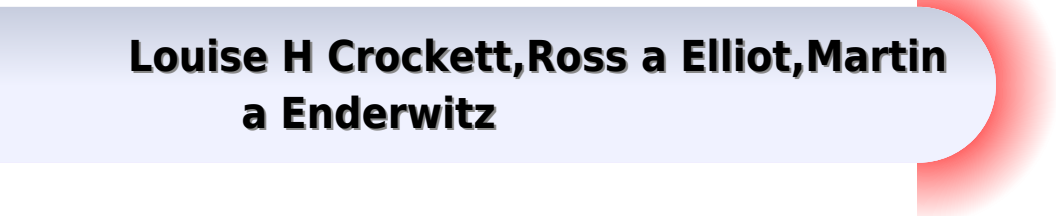
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# The Zynq Book Tutorials For Zybo And Zedboard

**Louise H Crockett, Ross a Elliot, Martin  
a Enderwitz**



### **The Zynq Book Tutorials For Zybo And Zedboard:**

**The Zynq Book Tutorials for Zybo and Zedboard** Louise H Crockett, Ross a Elliot, Martin a Enderwitz, 2015-08-12 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

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