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Ada and SPARK on ARM Cortex-M

tutorial with Arduino and Nucleo examples

This tutorial was written for all those who are interested in programming embedded systems and who would like to explore the idea of using Ada and SPARK in systems based on ARM Cortex-M microcontrollers.

The accompanying code is available here: ada-on-cortex.zip

Bonus content:

Very Simple Scheduler

Read this book on-line:

- 1. Introduction
- 2. Documentation and Tools
- 3. First Program
- 4. Linking and Booting
- 5. Digital Output
- 6. Very Simple Delays
- 7. Random Numbers
- 8. <u>Digital Input</u>
- 9. Finite State Machines, Part 1
- 10. Constant Values
- 11. Finite State Machines, Part 2
- 12. Machine Code Insertions
- 13. Interrupts
- 14. Shared State
- 15. Finite State Machines, Part 3
- 16. System Timer
- 17. Hello World!
- 18. Mixing Ada With C and C++
- 19. Runtime Errors And SPARK
- 20. Loose Ends

You can also buy this book:

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