Embedded System Design Domains

Mixed Signal Electronic Systems (MISES)
System on a Chip (SoC) Development

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Embedded System Design Domains

Code
- Software
- DataFlow Design
- GUI
- User Platform and OS
- User Software

DataFlow Design
- Algorithms & Behavior
- LIBRARIES
- Classes
- Control Path
- Embedded Platform and RTOS
- User Firmware
- User Microcode
- SoC EMBEDDED IMPLEMENTATION

Digital
- Requirements Specification
- ALU
- Registers
- Latches
- Logic Design
- User Microcode
- Physical Design

Analog
- Signal Path
- Data Path
- Analogue
- A/D & D/A
- Op Amps
- I/O Drivers/Buffers
- Passives
- Transistors

RF
- RF/Analog Path
- RF
- LNA
- PA
- Mixers
- VCOs
- IF

Other
- Mechanical
- Antenna

Other
- Mechanical
- Antenna
Low Cost Radar Sensor Node in a Sensor Network