

**HandsOn-Training is an expert design house  
and premium training center.**



# Excellence is not a Skill, its an Attitude

## One Stop Shop for ARM & FPGA Security Technologies

### Training Services (with practical hands-on labs):

#### ASIC/FPGA Verification

- Fundamentals & Advanced UVM
- SystemVerilog for Verification Engineers
- Code & Functionality Coverage Advanced Techniques

#### Arm Official

- Cortex-A/R/M for v6/7/8/9 Architectures
- All system IP (GIC, CMN, AMBA, CoreSight, etc.)
- TrustZone for Cortex-A & Cortex-M
- Optimization with SVE/SVE2/NEON
- Ethos-U for AI Acceleration

#### Security

- Side Channel Attack in Practice & Countermeasures
- Fault Injection in Practice & Countermeasures
- FPGA Security Bootcamp
- Embedded Systems Security Bootcamp
- Practical Threat Modeling

#### Altera FPGA

- Designing with Agilex Family
- SoC FPGA Design for HW & SW Engineers
- OpenVino and AI Suite
- Timing Closure with TimeQuest
- HDL for Low Power & Small Area
- Designing for High-Performance
- Clock Domain Crossing Techniques
- VHDL/Verilog Expert
- Altera FPGA Designer Program

### Design Services

#### FPGA Design

- System Point of View (Hardware-Firmware-Software-Verification-Debug-Security)
- All FPGAs Vendors & Families (Altera, Xilinx, Microchip, Lattice)
- Software and BSP Development for SoC FPGAs & Soft Processors
- FPGA Security
- Timing Closure
- AI for FPGA
- High-Speed Interfaces & Protocols
- 5G Communication
- Verification with SV and UVM
- Advanced Optimization Techniques (Area, Speed, Power)
- Military

#### Embedded Software Design

- BSP Development for Arm based SoC
- Add Arm tool-flow to any vendor target device (ArmDS, Keil)
- Linux & RTOS
- Performance/Code Density Optimization

#### Security

- Threat Modeling & Risk Analysis
- Design Auditing
- Implementing Countermeasures
- Secure Boot
- Protecting Data-in-Transit and Data-at-Rest
- SCA and FI HW & SW Countermeasure
- Platform Attestation

For detailed training agenda and full syllabuses:  
[www.HandsOn-Training.com](http://www.HandsOn-Training.com)

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