

**Title:** Software Guard Extension – from dream to reality

**Speaker:** Ittai Anati

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**Abstract:** In 2015, Intel launched its 6th generation Core, codenamed Skylake, that implements a new ISA for security – Intel® SGX. We'll start with the fundamentals of SGX1, and gradually dive deeper into more advanced topics of SGX.

1. SGX1 fundamentals
2. Advanced SGX1 topics and SGX2
3. Flexible launch control, VMM Oversubscription, key separation and sharing
4. Provisioning, attestation and recovery

**Bio:** Ittai Anati is a Senior Principal Engineer at Intel Corporation's CPU architecture team at Intel's Haifa campus. He focuses mainly on security, ISA extensions, and HW/SW co-design. He was the lead architect for defining and integrating Intel® SGX into Intel's 6th generation Core CPU, codenamed Skylake.