

**STA: A Permission-Dependent Type System**  
(Chapter 8, CSF'18)

**Verification:** Securing  
System Designing

**Doublade: Thread-aware Grey-box Fuzzing**  
(Chapter 6, submitted)

Concurrency Bug  
Detection

**Hawkeye: Directed Grey-box Fuzzing**  
(Chapter 5, CCS'18)

Vulnerability Detection

**FOT: A General Fuzzing Framework**  
(Chapter 7, ESEC/FSE'18)

**Testing:** Detecting  
Implementation Defects

High

Low