Table of Contents

Third International Workshop on Software Engineering for Secure Systems (SESS07)

Workshop Organization

On the Secure Software Development Process: CLASP and SDL Compared .............................................................. 1
   Johan Grégoire, Koen Buyens, Bart De Win, Riccardo Scandariato, and Wouter Joosen

Supporting Security Monitor-Aware Development ........................................................................................................ 8
   Dries Vanoverberghe and Frank Piessens

An Analysis of the Security Patterns Landscape ............................................................................................................ 15
   Thomas Heyman, Koen Yskout, Riccardo Scandariato, and Wouter Joosen

A Workflow-Based Non-intrusive Approach for Enhancing the Survivability of Critical Infrastructures in Cyber Environment ......................................................... 22
   Kun Xiao, Nianen Chen, Shangping Ren, Limin Shen, Xianhe Sun, Kevin Kwiat, and Michael Macalik

Automated Test Generation for Access Control Policies via Change-Impact Analysis .............................................. 29
   Evan Martin and Tao Xie

Building Anti-phishing Browser Plug-Ins: An Experience Report ........................................................................... 36
   Thomas Raffetseder, Engin Kirda, and Christopher Kruegel

A Smart Fuzzer for x86 Executables .......................................................................................................................... 43
   Andrea Lanzi, Lorenzo Martignoni, Mattia Monga, and Roberto Paleari
Towards a Requirements-Driven Workbench for Supporting Software Certification and Accreditation.................................................................50
  Seok-Won Lee, Robin A. Gandhi, and Siddharth Wagle

Using Automated Fix Generation to Secure SQL Statements .....................................................................................................................57
  Stephen Thomas and Laurie Williams

A Threat Model Driven Approach for Security Testing.........................................................................................................................64
  Linzhang Wang, Eric Wong, and Dianxiang Xu