

1. Record Nr.	UNINA9910484892503321
Titolo	Engineering Secure Software and Systems : Second International Symposium, ESSoS 2010, Pisa, Italy, February 3-4, 2010, Proceedings / / edited by Fabio MASSACCI, Dan Wallach, Nicola Zannone
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-38563-4 9786613563552 3-642-11747-3
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (X, 241 p.)
Collana	Security and Cryptology, , 2946-1863 ; ; 5965
Classificazione	SS 4800
Altri autori (Persone)	MassacciFabio WallachDan Seth <1971-> ZannoneNicola
Disciplina	005.8
Soggetti	Computer networks Software engineering Cryptography Data encryption (Computer science) Data structures (Computer science) Information theory Computer science - Mathematics Computer science Computer Communication Networks Software Engineering Cryptology Data Structures and Information Theory Mathematical Applications in Computer Science Models of Computation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Session 1. Attack Analysis and Prevention I -- BuBBle: A Javascript Engine Level Countermeasure against Heap-Spraying Attacks -- CsFire:

Transparent Client-Side Mitigation of Malicious Cross-Domain Requests -- Idea: Opcode-Sequence-Based Malware Detection -- Session 2. Attack Analysis and Prevention II -- Experiences with PDG-Based IFC -- Idea: Java vs. PHP: Security Implications of Language Choice for Web Applications -- Idea: Towards Architecture-Centric Security Analysis of Software -- Session 3. Policy Verification and Enforcement I -- Formally-Based Black-Box Monitoring of Security Protocols -- Secure Code Generation for Web Applications -- Idea: Reusability of Threat Models – Two Approaches with an Experimental Evaluation -- Session 4. Policy Verification and Enforcement II -- Model-Driven Security Policy Deployment: Property Oriented Approach -- Category-Based Authorisation Models: Operational Semantics and Expressive Power -- Idea: Efficient Evaluation of Access Control Constraints -- Session 5. Secure System and Software Development I -- Formal Verification of Application-Specific Security Properties in a Model-Driven Approach -- Idea: Enforcing Consumer-Specified Security Properties for Modular Software -- Idea: Using System Level Testing for Revealing SQL Injection-Related Error Message Information Leaks -- Session 6. Secure System and Software Development II -- Automatic Generation of Smart, Security-Aware GUI Models -- Report: Modular Safeguards to Create Holistic Security Requirement Specifications for System of Systems -- Idea: A Feasibility Study in Model Based Prediction of Impact of Changes on System Quality.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second International Symposium on Engineering Secure Software and Systems, ESSoS 2010, held in Pisa, Italy, in February 2010. The 9 revised full papers presented together with 8 ideas papers were carefully reviewed and selected from 58 submissions. The papers are organized in topical sections on attack analysis and prevention, policy verification and enforcement, and secure system and software development.
