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Track 18: Web Application Security

Track Co-Chairs

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Introduction

The emergence of Web 2.0 technologies brought about the extensive deployment and use of web-based applications and web services. Such applications are easy to develop and deploy and demonstrate impressive features for users, resulting in their current wide use. Nonetheless, the level of security in web applications doesn't seem to go along with their popularity: important security issues have been found and privacy concerns have also been raised recently. In addition, the Cloud Computing paradigm promises even greater flexibility; however corresponding security and privacy issues still need to be examined.

This track aims to bring together application security experts, researchers, educators and practitioners from the industry, academia and international communities such as OWASP, in order to discuss open problems and new solutions in application security. In the context of this track academic researchers will be able to combine interesting results with the experience of practitioners and software engineers.

Suggested topics (but not limited to):

- Secure application development
- Security of service oriented architectures
- Threat modeling of web applications
- Cloud computing security
- Web applications vulnerabilities and analysis
- Countermeasures for web application vulnerabilities
- Secure coding techniques

- Platform or language security features that help secure web applications
- Secure database usage in web applications
- Access control in web applications
- Web services security
- Browser security
- Privacy in web applications
- Standards, certifications and security evaluation criteria for web applications

BIOS of track co-chairs

Prof Panagiotis Georgiadis holds a BSc in physics, an MSc and a Ph.D. degree in computer science. Currently he is a Professor in the Department of Informatics and Telecommunications at the University of Athens. He has been a regular member of the Senate of University of Athens, Director of the Computer Systems & Applications Division of the Department of Informatics, and Secretary General for Information Systems by the Greek Ministry of Finance. His research interests include distributed systems, simulation and management of information systems. He has authored more than 70 scientific articles in international journals and conferences, and contributed in national and European research projects.

Dr Costas Vassilakis holds a BSc in Informatics (1990) and a PhD in Design and Implementation of a Historical DBMS (1995). Dr Vassilakis has authored more than 70 papers for international conferences and journals in subject areas including e-government, web technologies and databases. He has also participated in numerous European and national RTD projects. Currently Dr Vassilakis is an Assistant Professor in the University of Peloponnese and a research fellow for the University of Athens. His scientific interests include semantic web technologies, e-government, databases, user interaction and distributed systems.

Dr Konstantinos Papapanagiotou holds a BSc in Informatics and Telecommunications and a PhD in Trust Architectures in Mobile Ad Hoc Networks from the Department of Informatics & Telecommunications, University of Athens, Greece, and an MSc degree (with distinction) in Information Security from Royal Holloway, University of London. Dr Papapanagiotou is also a member of the OWASP Greek chapter committee, in charge of promoting the ideas and methodologies of OWASP in Greece. His research interests are in the areas of application security, trust and security in pervasive and ubiquitous computing and steganography.

Dr. Vasileios Vlachos is a member of the Digital Awareness and Response to Threats (DART) team of the Special Secretariat for Digital Planning of the Hellenic Ministry of Economy and Finance. Dr. Vlachos holds a Diploma of Engineering in Electronic

& Computer Engineering from Technical University of Crete, a MSc in Integrated Hardware and Software Systems from the Department of Computer Engineering and Informatics of the University of Patras and a PhD in Information Systems Security (specialization in computer virology) from the Department of Management Science and Technology of Athens University of Economics and Business. He has been elected lecturer at the department of Computer Science and Telecommunications of the Technological Educational Institutions (TEI) of Larissa.