ECIAIR 2021 - Pre-Conference Workshop

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Security Awareness and Education for Mobile Application Developers

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Currently, millions of users rely on their smartphones to communicate, interact with other users or services and handle extremely sensitive information. This mobile ecosystem is composed by millions of mobile applications, developed either by companies or individual developers, distributed to end-users through some app stores.

The major trust points on this scenario seems to be the app stores. App stores are responsible for ensuring to the end-users that the applications they install on their devices are secure. However, this might not be the case. Most of the applications that run on the end-user device contain security vulnerabilities that might be potentially exploited by an attacker and compromise the user device.

This workshop intends to provide an overview about this context and present the major security risks associated with mobile applications development for the Android environment. It also intends to present developers security awareness to improve the security of developer mobile applications.

**Learning Outcomes:**

- Understand the security challenges of the mobile applications ecosystem
- Learn about the major security risks in mobile applications development (OWASP Mobile Top 10)
- Discover tools that might be helpful for the identification of Android applications vulnerabilities
- Learn about the App Sentinel project that tackled applications vulnerabilities and developers feedback

Carlos Serrão is an Associate Professor at ISCTE-IUL, in the Information Sciences and Technologies Department, where it teaches different curricular units related with Information Security, Web and Mobile-based Information Systems Development and Management, Project Management and Entrepreneurship. Currently integrated researcher in the SSE (Software Systems Engineering) research group of ISTAR-IUL. Associated member of the DMAG (Distributed Multimedia Applications Group) research centre. Research interests include “Cybersecurity”, “Distributed Applications and Systems”, and “Digital Rights Management”. Since 1995 has participated in multiple national and international projects, financed by entities such as the European Union, European Space Agency and others.

**Workshop Application details:**

The cost of attending the workshop in Lisbon is £50. Should the workshop change to run as a virtual event the cost will be £25. To book a place on this workshop or to get further details, please contact: Elaine@academic-conferences.org

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