

	<p align="center">14th International Conference on Information Assurance and Security (IAS'2018)</p> <p align="center">Porto, Portugal, 13-15 December, 2018</p> <p align="center">http://www.mirlabs.org/ias18/</p>
Title of Session	Digital Forensics
Objectives and scope	<p>As we increasingly rely on digital devices in almost every aspect of our daily lives, digital devices are becoming increasingly involved in legal investigations of all kinds. Digital forensics can be seen as a branch of forensic science and consists on identifying, collecting, preserving, documenting, examining, analyzing, and presenting evidence from digital devices. Digital forensics is now a major part of many criminal and civil investigations and a wide range of emergent challenges are faced by researchers on trying to apply innovative tools, techniques and methodologies that may cope with the increasing number and diversity of crimes that involves, in some way, the use of digital devices.</p> <p>This special session on digital forensics seeks contributions which focus on innovative tools, techniques and methodologies that may contribute to the digital forensics analysis of digital devices in a faster and efficient way.</p>
Topics of Interest	<ul style="list-style-type: none"> • Multimedia and artifact analysis • Emerging approaches to digital forensics • Incident response analysis • Machine learning and data mining for digital evidence extraction • Social networking analysis and OSINT (Open Source Intelligence) • Network and distributed system forensics • Mobile and embedded device forensics • Forensics in cloud and virtualized environments • Vehicle forensics • SCADA and industrial control systems forensics • Smart buildings • Cryptocurrency • Management of digital investigation cases • Digital evidence sharing and exchange • Digital forensic tools validation • Event reconstruction methods and tools • Case studies
Session Chair / Co-chair	Mário Antunes, INESC-TEC; IPLeiria, Portugal
Scientific Committee	Mário Antunes, INESC-TEC; IPLeiria, Portugal Patrício Domingues (Polytechnic of Leiria); Miguel Frade (Polytechnic of Leiria)

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Brief Biography of the session Organizers	Mário Antunes Ph.D. in Computer Science from the University of Porto, in 2011. Graduated by Polytechnic of Porto in Computers Engineering (1999) and MSc in Informatics by University of Porto (2001). He teaches at the Polytechnic Institute of Leiria and is also a researcher in the Center for Research in Advanced Computing Systems (CRACS), a R&D unit of INESC TEC Research Laboratory, University of Porto. His research interests include network security, digital forensics, datacenters and networking infrastructures and management.