

DIGFORASP



8th WORKING GROUP MEETING (WGM-2022)
DIGFORASP COST ACTION 17124
Naples, Italy
October 5th - 7th, 2022



WEDNESDAY 5th Workshop DigForASP Location: Hotel Royal Continental	
10:00–11:00	Keynote Speaker - Stefania Costantini Title: Digital Forensics: a case for Neuro-Symbolic approaches Chairperson: Jesús Medina
11:00–11:20	Coffee break
11:20–13:30	ESCIM2022 Session. Chairperson: Stefania Costantini
	<i>Lattice valued aggregation operators applicable in digital forensics</i> Maria Eugenia Cornejo Piñero, Jesús Medina, Ivana Stajner-Papuga and Andreja Tepavcevic
	<i>Power consumption-based identification of used encryption solution in IoT environments</i> Aleksandar Jevremović and Zona Kostic
	<i>Maritime Cyber Security Based on a Convolutional Neural Network</i> Jamal Raiyn
	<i>Epistemic Logic and Theory of Mind for Modelling Group Dynamics of Criminal Organizations</i> Stefania Costantini, Andrea Formisano and Valentina Pitoni
	<i>Intrusion detection using intelligent systems</i> Laszlo Barna Iantovics, Olivér Hornyák, Gloria Cerasela Crisan, Bogdan Crainicu and Elena Nechita
	<i>Analysing the influence of the pandemic on crime patterns in North Macedonia</i> Aleksandra Dedinec, Sonja Filiposka and Anastas Mishev
13:30–15:00	Lunch

WEDNESDAY 5th – Afternoon
Workshop DigForASP. Abstracts
Location: Hotel Royal Continental

15:00–16:20	<p>Abstracts Session AS1. Chairperson: Aleksandra Dedinec</p> <p><i>Driver identification using anomaly detection</i> Roberto G. Aragón, Giovanni Bassetti and Jesús Medina.</p> <p><i>Deceptive Dialogue Models for Online Grooming Detection</i> Juan Carlos Nieves, Tobias Paulsson and Andreas Brännström</p> <p><i>Statistical and fuzzy c-means based analysis of the aggressive attitudes of a forensic population</i> Daiva Zostautiene, Dalia Susniene, Ojaras Purvinis and László T. Kóczy</p> <p><i>Clustering of relevant digital evidence in the forensic timelines</i> Pavol Sokol, Eva Marková and Kristína Kováčová</p>
16:20–16:40	Coffee break
16:40–17:30	<p>Keynote Speaker - Zeno Geradts Title: Court proof use of Artificial Intelligence in Digital Forensic Science Chairperson: Jesús Medina</p>
17:30–18:30	<p>Abstracts Session AS2. Chairperson: Zeno Geradts</p> <p><i>ENCROCHAT THROUGH THE LENS OF ART. 6 ECHR. The Hacker with a Warrant and Fair Trials?</i> Adi Stoykova</p> <p><i>Relationship between security events and the legal framework related to the origin of the attacks</i> Pavol Sokol, Laura Bachňáková Rózenfeldová and Regina Huckova.</p> <p><i>Experiencing the crisis of modernity, law and fuzzy logic applied to legal logic</i> Tania Cerasella</p>

THURSDAY 6th Workshop DigForASP. Abstracts Location: Hotel Royal Continental	
9:00–11:00	Abstracts Session AS3. Chairperson: Stefania Costantini <i>An Architecture for Semi-Autonomous Decision-Support in Police Interventions</i> Juan Carlos Nieves and Viviana Mascardi <i>Contrasting Evidence from Phone Recordings with Answer Set Programming</i> Francesca Alessandra Lisi and Gioacchino Sterlicchio <i>Mining Sequences in Phone Recordings with Answer Set Programming</i> Francesca Alessandra Lisi and Gioacchino Sterlicchio <i>Advanced languages of terms for ontologies</i> Philippe Balbiani, Martín Diéguez and Cigdem Gencer <i>Explaining the causes of crime with the use of artificial intelligence methods</i> Maciej Kusy <i>Knowledge-based System for Supporting Soundness of Digital Forensic Investigations</i> Milica Matijević
11:00–11:30	Coffee break

THURSDAY 6th. Continuation Parallel Sessions		
11:30–13:30	Tutorial - Chiara Gallese Title: AI Ethics and Law in Digital Forensics Chairperson: Viviana Mascardi	Working group parallel meetings 1 Venue: Fixed by WG leaders
13:30–15:00	Lunch	
15:00–16:00	Tutorial - Dévika Perez Title: Limits and legislative challenges of artificial intelligence-based tools for evidence gathering Chairperson: Jesús Medina	Working group parallel meetings 2 Venue: Fixed by WG leaders
16:00–18:00	Tutorial - Piotr Kowalski Title: Exploratory analysis of forensic data	Working group parallel meetings 3 Venue: Fixed by WG leaders
20:00	Dinner	

FRIDAY 7th

Parallel Sessions and Management Committee meeting

Location: Pacanowski building (Via G. Parisi 13)

Università degli Studi di Napoli Parthenope

9:00–11:00	Tutorial - Aleksandar Jevremovic Title: Using EdgeAI to process sensitive data, and preserve privacy and digital evidences	Working groups. Challenges and advances
11:00–11:30	Coffee break	
11:30–13:30	Tutorial - Ivana Stajner-Papuga Title: There is something fuzzy in digital forensics	Management Committee meeting Venue: Hotel Royal Continental
13:30 –14:30	Lunch	
14:30 –16:00	Management Committee meeting	