2024 IEEE CSR Workshop on Dependability and Resilience in Digital Cultural Heritage Ecosystems (DR-DCHE)

Call for Papers

Important dates

Paper submission deadline:
June 30, 2024 AoE
Authors' notification:
July 14, 2024 AoE
Camera-ready submission:
July 20, 2024 AoE
Early registration deadline:
July 20, 2024 AoE
Workshop dates:
September 2–4, 2024

Workshop chairs

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Contact us

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In the last decades, a vast part of the world's cultural heritage has been transformed into complex structured and unstructured digital data, information and knowledge now referred to as Digital Heritage Assets (DHAs). The DHAs stored in public or private cloud clouds or servers is defined as Data Space, and together with all the stakeholders involved in the DHA lifecycle (content creators, aggregators, publishers, data centers, services and research infrastructures etc.) compose the so called Digital Cultural Heritage Ecosystem (DCHE).

Due to the relevance of DHAs for the definition and representation of cultural, national and social identities, the repositories in which they are stored become – in some sense – the caretakers of the collective heritage of a country, region etc., with the mission of preserving aspects related to its culture. In a DCHE, DHAs are generated by organizations and flow across multiple jurisdictions under different and uncertain custody, control, policies, techniques, vulnerabilities, etc. and with the increasing use of automated techniques and agents to make decisions around and through such assets. However, as both the value and the attack surface of the DHAs are increasing, the possibility for them to become the target of an attack is increasing as well.

Attackers become more flexible and adaptable, able to carry out attacks on different targets. In this respect, since a cyberattack is considered a legitimate form of warfare, the new threat defined by UNESCO Director General Irina Bokova as "cultural cleansing" adds the digital heritage assets to the mosaic of targets for a cyber-attack. The need to move the protection of cultural heritage to a new level had been already mentioned in the Communication on Critical Infrastructure Protection in the Fight against Terrorism by the European Commission back in 2004, where a definition of critical infrastructure that included cultural and natural heritage had been provided. Thus, it is necessary to manage DCHE and the related DHAs as a critical infrastructure sustaining their dependability and resilience against unwanted disruption events.

The workshop is held in conjunction with the IEEE CSR 2024 conference as a **hybrid event**, during September 2–4, 2024. Prospective authors are encouraged to submit previously unpublished contributions from a broad range of topics, which include but are not limited to the following:

› Custody, provenance, authenticity
› Ontologies, knowledge graphs
› Decision support systems
› Metadata formats and quality
› Digital preservation
› Trusted digital repositories
› Open archives security
› Digital rights management
› Data integrity, confidentiality
› Digital identities
› Trust and anti-counterfeiting
› FAIR data

The CSR DR-DCHE workshop will accept high-quality research papers presenting strong theoretical contributions, applied research and innovation results obtained from funded cyber-security and resilience projects, and industrial papers that promote contributions on technology development and contemporary implementations.

Submitted manuscripts should not exceed 6 pages (plus 2 extra pages, being subject to overlength page charges) and should be of sufficient detail to be evaluated by expert reviewers in the field. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Detailed information about paper submission and guidelines for authors can be found at the workshop's website `https://www.ieee-csr.org/dr-dche`.