Secure Societies 2024: Horizon Europe Cluster 3 Brokerage Event in Istanbul Pitch Presentation Template

Alicia Jiménez

GRADIANT

AI-TRACE

Contact Details
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Proposal activity: CL3-2024-FCT-01-02 / CL3-2024-FCT-01-06

Description of the Organization

- *Expertise of your company/ previous Projects*

ICT technologies focused on three main topics:
- o   Communications
- o   Security
- o   Intelligence

Gradiant has taken part in more than 35 European projects, including communications for unmanned vehicles, payloads integration, data analytics and security measures.

- *Expertise related to the topic*
  - o MAVEN: Verify integrity and authenticity in object detected in digital images
  - o PRACTICIES : Analysis of social media images for radicalization detection
  - o UNCOVER: Image forensics for operational steganalysis
  - o CICERO: Image analysis tools for detection of manipulations and deepfakes
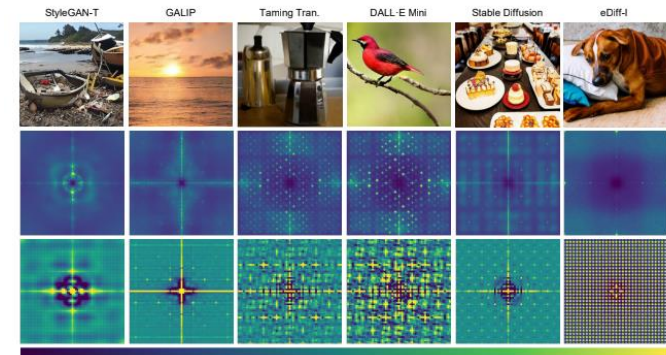
Proposal idea/content

- Role in the project: coordinator

- Objective: Fingerprinting for media forensics in the new (AI) era
  - Computational photography (portraits, HDR, AI-based zoom, …).
  - AI-based image edition.
  - Synthetic content.
  - Social networks.
  - AI-based camera sensors.

Intriguing properties of synthetic images:
from generative adversarial networks to diffusion models

Riccardo Corvi[1] Davide Cozzolino[1] Giovanni Poggi[1] Koki Nagano[2] Luisa Verdoliva[1]

[1]University Federico II of Naples   [2]NVIDIA

Project participants

Existing Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	Gradiant	RTO	Spain	Coordinator
02	University of Vigo	University	Spain	Partner
03	Amped	SME	Italy	Partner
04	CNIT	University	Italy	Partner
05	ZITiS	Forensic Institute	Germany	Partner
06	BKA	LEA	Germany	Partner
07	NICC	LEA	Belgium	Partner

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Project participants

Consortium – required partners

No	Expertise	Type	Country	Role in the project
01	SW development & integration	SME		Partner
02	Ethics & Legal	SME		Partner
03	Forensic Institute	Forensic Institute		End user
04	Communication/ dissemination and exploitation			Partner
05	AI Act and other related regulations expert			Impact section leader
06				