Post-Doc Position at the Visual Information Privacy Protection (VIPP) group – Department of Information Engineering and Mathematics – University of Siena

We are currently seeking for applications for a 18-months Post-Doc position working on Multimedia Forensics (MMF) and Deep Learning (DL), scheduled to begin on Spring 2024 (tentatively).

The research activity will focus on the development of forensic techniques for image (and also video) manipulation detection, with particular emphasis to deepfakes, that can operate in adversarial environment, capable to resist both intentional attacks (namely, adversarial attacks) and unintentional attacks (e.g., operations media typically undergone in social media sharing). Special attention will be given to the most recent models for the generation of media content and advanced architectures for the discrimination (e.g., Vision Transformers). More information regarding the research activity will be provided to interested candidates upon request.

The selected candidate will work at the Laboratory of Telematics and Telecommunications (LTT), at the Department of Information Engineering and Mathematics of the University of Siena, under the supervision of Benedetta Tondi, and will have the opportunity to participate to the activity of the Visual Information Processing and Protection (VIPP) group led by Mauro Barni. The VIPP group is engaged in various international collaborations (for more information, please visit the following link: http://clem.dii.unisi.it/~vipp/).

The position is financed by the Italian Ministry under the PRIN 2022 program. The total amount of the research grant is 50.000 euros taxes included (40.534 euros without taxes).

The selection will take place on early 2024. Expressions of interest must be submitted as soon as possible (before December 2023).

The prospective candidate can express his/her interest by writing to Benedetta Tondi, Assistant Professor, Department of Information Engineering and Mathematics, Siena. Email: *benedetta.tondi@unisi.it*