INCOGNITO
NEWSLETTER

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01

INTRODUCTION

We are pleased to announce the publication of the seventh issue of the INCOGNITO newsletter. If you are interested in cybersecurity and privacy, you are at the right place!

INCOGNITO is a 60-month Research and Innovation Action from 2019 to 2023 funded under Horizon 2020 focusing on producing a state-of-the-art platform that will allow users to easily understand what is needed to access online services while preserving their privacy.

This is the last newsletter in month 60 of the project. We have already submitted several deliverables. One of them documents the business and technical requirements and other documents all the design and implementation work that took place in the final year of the project.

02

OBJECTIVES

A quick reminder of the project's objectives!

The overarching goal of INCOGNITO (**I**de**N**tity verifi**C**ati**O**n with privacy-preservin**G** crede**N**t**I**als for anonymous access **T**o **O**nline services) is to combine state-of-the-art technologies in a platform that will allow users to easily understand what is needed to access online services with respect to their privacy and be able to prove specific attributes of their identity or their whole identity. We build on top of the framework that is being developed under the ReCRED, the project that laid the foundation for INCOGNITO project where we use advanced mobile software in order to convert online and physical identity proofs into validated and cryptographically strong proofs of identities that can be used for getting access to Online Services. INCOGNITO has the following objectives:

1. Design and implement an infrastructure that supports QUALIFIED ANONYMITY (QA) by leveraging state of the art cryptographic credentials schemes as well as Federated Login solutions.

2. Design and implement an Identity Acquisition and Management platform that will allow the user to quickly and securely acquire identity attributes from Physical ID documents and Online Identities.

3. Design and implement an advanced UI/UX AI-based assistant that will guide and inform the user about aspects of his identity management as well as possible actions to take.

4. Evaluate the results of the project through two pilot activities.

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To achieve these objectives an inter-sectorial and interdisciplinary secondment program for Experienced and Early Stage Researchers that fosters knowledge exchange is proposed. Academic partners will offer their expertise on online identity acquisition and management, machine-learning algorithms and user experience assessment. Industry partners will offer their expertise on state-of-the-art IT security technologies, production-grade development processes, exposure to industrial research environment and relevant business issues and data.

03

NEWS

INCOGNITO Summer School

The Social Computing Research Center organized the summer school of the EU-funded Research Projects INCOGNITO: IdeNtity verifiCatiOn with privacy-preservinG credeNtIals for anonymous access To Online services and SECONDO: a Security ECOnomics service platform for smart security investments and cyber insurance pricing in the beyond 2020 networking era.

INCOGNITO in the ERATOSTHENES 2nd Workshop

INCOGNITO project participated in 2nd workshop of the ERATOSTHENES entitled "Trust and Identity Management for IoT", online on 16/06/2023. This workshop aimed to showcase how Europe's Research and Innovation community is addressing the issues of identity, trust, security, and privacy for IoT devices and network systems. The way we address these aspects will impact Europe's collective resilience against cyber threats so that citizens and businesses can fully benefit from trustworthy and reliable services and digital tools.

Successful participation in the DEFEA 2023

The DEFEA exhibition was successfully completed on 11/5/2023. The research laboratory of the INCOGNITO project coordinator, the SYSTEMS SECURITY LABORATORY (SSL), participated in the exhibition presenting the aims, ambition, future goals and results of the project. The INCOGNITO project attracted the interest of many visitors, who wanted to learn about the project impacts. The INCOGNITO researchers had a fruitful discussion with the visitors adapting the project's results in the general defence area.

3rd International Workshop on Advances on Privacy-Preserving Technologies and Solutions

INCOGNITO in partnership with other EU-funded projects co-organized the 3rd International Workshop on Advances on Privacy-Preserving Technologies and Solutions (IWAPS 2023). The event was held in conjunction with the 18th International Conference on Availability, Reliability, and Security from August 29 to September 01, 2023, Vienna Austria.

ARES 2024

The 19th International Conference on Availability, Reliability and Security (ARES 2024), will be held **July 30 – August 2, 2024 in Vienna, Austria.**

Multi-Attribute Decision Making-based Trust Score Calculation in Trust Management in IoT

The above paper has been accepted and presented in 18th International Conference on Availability, Reliability, and Security from August 29 to September 01, 2023, Vienna Austria. The authors Michail Bampatsikos, Ilias Politis, Vaios Bolgouras and Christos Xenakis are members of the Systems Security Laboratory on the University of Piraeus, contributing to the INCOGNITO project
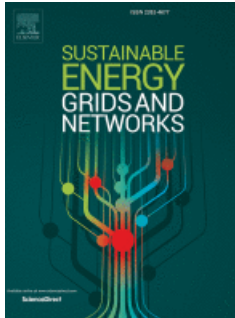
RETINA: Distributed and secure trust management for smart grid applications and energy trading

The above paper has been accepted for publication at the Elsevier "Sustainable Energy, Grids and Networks" journal. The authors are Vaios Bolgouras, Thodoris Ioannidis, Ilias Politis, Apostolis Zarras, and Christos Xenakis

04

DELIVERABLES SUBMITTED

Work Package	Deliverable	Month	Title
WP5	D5.2	M50	Full design and prototype of the Advanced User Experience / User Interface (UI/UX) Artificial Intelligence (AI)-based assistant pipeline
WP4	D4.3	M50	Overall user assessment
WP7	D7.1	M53	Pilots initial set up and progressing initial setup of the two pilots
WP5	D5.3	M56	Artificial Intelligence (AI)-based assistant user experience assessment
WP6	D6.2	M56	Final integrated system
WP1	D1.4	M57	Data management plan

05

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06

OUR PARTNERS

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