



UNIVERSITÀ DEGLI STUDI DI MILANO

SELEZIONE PUBBLICA, PER ESAMI, A N. 1 POSTO DI CATEGORIA D - AREA AMMINISTRATIVA-GESTIONALE CON RAPPORTO DI LAVORO SUBORDINATO A TEMPO DETERMINATO PRESSO L'UNIVERSITÀ DEGLI STUDI DI MILANO - DIPARTIMENTO DI INFORMATICA GIOVANNI DEGLI ANTONI, PER LO SVOLGIMENTO DI ATTIVITÀ NELL'AMBITO DEL PROGETTO SERICS "SECURITY AND RIGHTS IN THE CYBERSPACE", (CUP G43C222002580001), NELL'AMBITO DEL PIANO NAZIONALE DI RIPRESA E RESILIENZA (PNRR) - CODICE 22381

La Commissione giudicatrice della selezione, nominata con Determina Direttoriale n. 396 del 18/01/2024, composta da:

Dott. Sergio Barezzani	Presidente
Sig. Stefano Giudici	Componente
Dott.ssa Sabina Sangalli	Componente
Dott.ssa Natalia Pia Ringoli	Segretaria

comunica i quesiti relativi alla prova orale:

QUESITO N.1

- Il candidato illustri, nell'ambito della struttura organizzativo gestionale dell'Ateneo i centri di gestione, con particolare riferimento ai Dipartimenti
- Il candidato legga e traduca dall'inglese all'italiano il seguente testo

Many problems of Cybersecurity are connected to the human factor and to the lack of appropriate skills of the workforce. SERICS will put in place different initiatives to help and mitigate these problems that can be grouped in the two categories described below.

1) National Cybersecurity Academy

The main goals of the Academy include: tackling the skill shortage and the gender gaps in Cybersecurity involving mainly young students of Italian schools, from primary school to high schools and universities providing opportunity of continuous education and training, in particular to employees of Small and Medium Enterprises SME and Medium Enterprises MEs providing specific course to train the trainers, launching a National PhD ("dottorato") Program on Cyber Security. By increasing the experience gathered by the Cybersecurity National Laboratory, several programs will be activated and improved, each customized to better satisfy the requirements of students, according to their age, kind of school and geographical location; all the programs will be based on practical experiences. Particular attention will be paid to training tutors, trainers, teachers, and professors involved in the Academy's training activities.



QUESITO N.2

- Il candidato illustri, ai sensi del regolamento dell'attività negoziale di Ateneo, le forniture di beni e o servizi con particolare riferimento agli acquisti fino a 40.000,00 euro
- Il candidato legga e traduca dall'inglese all'italiano il seguente testo

Thematic Area 4: Operating Systems and Virtualization Security

Operating Systems (OS) and Virtualization Technologies (VT) are key enablers for existing and emerging computation and communication paradigms, namely cloud, fog, edge computing and 5G/6G. By leveraging the primitive security mechanisms provided by the hardware, OS and VT offer key security mechanisms and services (e.g., basic identity management and access control) upon which the security of applications, and henceforth of the whole cyberspace, is rooted. TA 4 is concerned with developing high-level automated security services and innovative security assessment and assurance methodologies to support the secure-by-design development and verification of cloud, edge, and 5G applications. The effectiveness of the proposed techniques will be assessed by stress-testing them in simulated, yet highly realistic attack scenarios, safely run within a platform of federated Cyber Range

QUESITO N.3

- Il candidato illustri la determina autorizzativa per gli acquisti inferiori a 40.000,00 euro e le indicazioni necessarie che deve contenere (Art. 7 reg attività negoziale)
- Il candidato legga e traduca dall'inglese all'italiano il seguente testo:

Thematic Area 5: Cryptography and Distributed Systems Security

TA 5 is mainly concerned with research activities in cryptography and distributed system security domains. Given the vastness of these domains and to identify concrete objectives aimed at obtaining long-term results of 4 Annex 1 high technological level and possible impact on the country, TA 5 sees the coexistence of two souls. Among the subtopics (i) cryptographic primitives and protocols, (ii) foundational cryptography and cryptanalysis, (iii) post-quantum crypto, (iv) digital identity, authentication and accountability, and (v) distributed ledgers and blockchain, the two souls are the continuous search for the deepening of knowledge (in all the fields mentioned above), and the plan to apply this investigative approach to applied research goals. During the lifetime of the present initiative, this will be achieved by implementing a single unifying project focused on the notion of digital identification and tracing, by interpreting this notion also from unconventional perspectives. According to this general objective, the research lines of TA 5 will move along different tracks, stimulating continuous interactions between them and vertical applications of the results on specific application domains.



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Milano, 29 gennaio 2024

La Commissione

Dott. Sergio Barezzani Presidente

Sig. Stefano Giudici Componente

Dott.ssa Sabina Sangalli Componente

Dott.ssa Natalia Pia Ringoli Segretaria