

**Ministry of Higher Education and Scientific Research**

**University of Algiers 3**

**In collaboration with:**

The research team "Cyber security and Digital Sovereignty in the Age of Artificial Intelligence in Algeria"

The research team "Digital Transformation of Public Administration in Algeria: Opportunities and Challenges"

The Digital Strategy Office of University of Algiers 3

**Organizes a national scientific conference in person on:**

**The role of the university in strengthening a culture of cyber security**



**On May 28, 2024, at the Nelson Mandela Auditorium**

**Faculty of Information and Communication Sciences**

**General supervisor:** Pr. Khaled Rouaski, Director of University of Algiers 3

**Organizing Committee of the Conference:**

**Conference Chair:** Dr. Dalila Laoufi

**Chair of the Scientific Committee:** Pr. Noufeyle Hadid

**Chair of the Organizing Committee:** Pr. Zakaria Hocine

## CONFERENCE PREAMBLE

The world is witnessing a spectacular digital transformation marked by rapid developments in artificial intelligence, the Internet of Things and cloud computing. This evolution has led to increased cyber risks and a growing concern about threats and attacks in the digital environment, necessitating an unprecedented focus on cyber security. This situation has prompted countries and institutions to work intensively to secure their digital infrastructure and address cyber attacks and intrusions.

Algeria, like the rest of the world, remains in a state of permanent alert to ensure its cyber security, which has transcended technical dimensions to encompass aspects of security, defense, and strategy. This has become an essential element of its national security strategy, particularly with the emergence of new challenges in the digital realm, such as "**digital sovereignty**". Addressing the multiple operational challenges in cyber security and promoting a culture of cyber security requires close coordination and extensive collaboration among various stakeholders, including government and private institutions, universities, research centers, the economic sector, and civil society.

In this context, the role of universities in strengthening the culture of cyber security and social responsibility in risk management is essential. This involves integrating cyber security principles into academic curricula, promoting advanced research, and equipping students with the skills and knowledge needed to align with emerging cyber security trends. It is also crucial to raise students' awareness of the importance of national security, preparing them to tackle contemporary cyber security challenges and providing them with the necessary solutions and strategies to effectively prevent and respond to incidents.

In this regard, researchers emphasize that collaboration between universities and government and private institutions can enhance national security and cyber defense capabilities, thus safeguarding national assets against complex cyber attacks. This collaboration would facilitate the development of joint strategies, exchange of expertise and resources, thereby strengthening security capacities and fostering the development of innovative solutions to address emerging threats.

Based on the above, this conference aims to highlight the **role of universities in strengthening the culture of cyber security**, to examine related issues by exploring the reality of cyber security in Algeria and globally through analyses and proposals presented by researchers and experts. The goal is to raise awareness of the importance of cyber security and to enhance national cyber security within the academic community.

### **The objectives of the conference:**

- Understand the challenges of cyber security for countries in general and for Algeria in particular.
- Identify the main cyber risks and threats facing Algeria and explore ways to address them.
- Evaluate Algeria's current situation and readiness in the field of cyber security.
- Prepare the university to contribute to achieving cyber security and addressing associated challenges.

### **Focuses of the conference:**

#### **1. Conceptual foundations of cyber security:**

- Theoretical and practical approaches in the field of cyber security.

#### **2. Legal and regulatory framework:**

- Cyber security in light of national legislation and international standards.

#### **3. Technical aspects of cyber security:**

- Infrastructure and data security strategies.
- Cutting-edge technologies for information protection.

#### **4. Cyber security and digital sovereignty:**

- Impacts of modern technologies on digital sovereignty.
- Digital space and its implications for digital sovereignty.
- Internet governance policies and contemporary challenges.

#### **5. Role of universities in cyber security:**

- Contribution of universities to the management of cyber risks and the strengthening of strategic monitoring.
- Exploitation of artificial intelligence in security-related research.

#### **6. University-external environment synergy:**

- Strengthening partnerships between universities and national organizations for the dissemination of a cyber security culture.
- Development of the capacities of universities to face the global challenges of cyber security.

#### **Target Audience:**

- Teachers, researchers, and students from all disciplines.
- Centers, laboratories, and research teams in academic institutions.
- Managers of digital platforms and websites in academic institutions.
- Managers of digital strategy offices in academic institutions.

#### **Conditions for Participation in the Seminar:**

- The presentation must be related to one of the conference themes.
- The research should not have been published or presented at other scientific events.
- Scientific and methodological standards must be respected.
- The abstract should not exceed 150 words.
- The presentation must include the following information: title of the presentation, full name, institution affiliation, email address, phone number.
- Complete presentations should be sent by email to the following address: [alger3.colloque2024@gmail.com](mailto:alger3.colloque2024@gmail.com)

#### **Important Dates:**

- Announcement of the conference: May 12, 2024
- Deadline for submission of presentations: May 22, 2024
- Conference date: May 28, 2024