

2022 WITSA Global Innovation and Tech Excellence Awards Nomination Form

The 2022 WITSA Global Innovation and Tech Excellence Awards (formerly known as *the Global ICT Excellence Awards*) will be presented to select individuals, academic institutions, corporations, NGOs or governments whose use and applications of digital technologies exhibit exceptional achievement within the following broad categories:

Private Sector/NGO	Public Sector
Digital Opportunity/Inclusion Award	Digital Opportunity/Inclusion Award
Smart Cities Award	Smart Cities Award
Sustainable Growth/Circular Economy Award	Sustainable Growth/Circular Economy Award
Innovative eHealth Solutions Award	Innovative eHealth Solutions Award
Public/Private Partnership Award	Public/Private Partnership Award
E-Education & Learning Award	E-Education & Learning Award
Emerging Digital Solutions Award	Startup Ecosystem Award

In addition, a *Chairman's Award* will be presented to a nominee selected from the entire pool of candidates from all award categories.

Candidates for these Awards are nominated by ICT experts from around the world who span over 80 countries/economies. The 2022 *WITSA Global ICT Excellence Awards* will take place in conjunction with the September 13-15, 2022 World Congress on IT in Penang, Malaysia (<https://wcit2022.com>/<https://wcit2021.org.bd/>).

E-Education & Learning Award

Award #1: Individuals, academic institutions, corporations, or NGOs

Award #2: Government authorities

Award Criteria: The Digital Age is requiring new sets of skills, and adoption of new models of public education that emphasize coding, programming and computer science must be adopted. Contrary to popular belief, the digital gap is widening, putting pressure on countries to catch up. Public education must adopt new approaches to lifelong learning. This award will be given to the best electronic learning project. We seek any innovative new technological tool, or any project that uses existing electronic learning tools in an innovative way. Such projects should facilitate and support learning through the use of information and communications technology.

YOUR NOMINEES (limit three nominations per award category).

Please specify whether the nominee(s) are for the private or public sector category.

The new Secure Exams Transmission System (STS) of the Hellenic Ministry of Education

The nominee is for the public sector category.

REASONS FOR NOMINATION (NOTE: It is important that you make a detailed description of the nominee and why you think the nomination is justified. The absence of a detailed summary of

qualifications as they *relate* to the above-mentioned award description will make it difficult for the awards committee to make an appropriate assessment of the candidate):

The Hellenic Ministry of Education one of the oldest ministries, established in 1833, is responsible for running the country's education and exams system.

It is noted that in practice but also in the consciousness of the citizens, the Panhellenic exams system is one of the most inviolable processes of the country, for decades.

The new Secure Exams Transmission System (STS) central infrastructure is installed in the "headquarters" of the Hellenic Ministry of Education, in its main building in Maroussi, (Athens), in a specially designed space inaccessible to all. Only a few, technical staff and operators, have access.

STS is a state-of-the-art digital system that has the ability to send encrypted messages, in order to avoid any possibility of hacking.

The system is based entirely on hardware from well-known manufacturers with global distribution and support network. All hardware consists of state-of-the-art models.

The system includes the following main components:

- Computer Servers
- Network equipment
- Security equipment
- Network Access Equipment (CPEs)
- 4G USB modems
- Workstations
- Printers

The system-level infrastructure consists of a Hyper Converged Cluster (HCI) 6 equal nodes based on Windows Server 2016. There are two physical Domain Controllers for the Active Directory Domain Services (AD DS) infrastructure. The backup takes over a physical server with Directly Attached Disks in a RAID 5 array.

Part of the applied functionality is as follows:

- Uninterrupted connectivity, main and backup mode (wired and wireless connections).
- Creation of a secure private network via VPN.
- Central management and automation in the realization of network connections and VPN by applying the selected pre-shared keys.
- Centrally controlled key renewal process.
- Security infrastructure applying strict security policies
- Backup of physical and virtual infrastructure server
- Infrastructure and Workstation supervision

In addition, every year the assistance of Space Hellas support team is requested during the exams period in order to avoid any possibility of incidents. Specialized staff provide their knowledge and support on the implemented system. This staff provides any technical support needed, conducts an investigation and intervenes immediately in case of an incident as required.

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

N/A

NOMINEE CONTACT INFORMATION (for award follow up and coordination)

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