ISTANBUL CYBER-SECURITY FORUM

Post-Security, Digital Revolution, Circular Economy, and Cyber Ecosystem

EĞİTİM, SANAYİ ve TEKNOLOJİ ENSTİTÜSÜ

EDUCATION, INDUSTRY and TECHNOLOGY INSTITUTE

TASAM BGC

Business and Government Consultancy

İş ve Devlet Danışmanlığı

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The rapid development of information technologies has brought security problems of the same magnitude. In the early years of the Internet, "accessibility" came to the fore among the three important components of information security, "accessibility, confidentiality, and integrity"; First, the development and operation of the Internet were considered, and "confidentiality and integrity" remained in the background. This has caused the basic architecture and services of the Internet to cause privacy and integrity problems over time. Due to the rapid growth, problems related to "accessibility" have also increased over time, causing the concept of security to be one step behind in developments.

The expected effects of new and emerging technologies on the cyber threat environment; It has been confirmed by the authorities that the future will shape the multidimensional security environment, artificial intelligence, and machine learning, autonomous devices and systems, telecommunications and computing technologies, satellites and space assets, human-machine interfaces, quantum computing and threats in cyberspace are within the scope of hybrid warfare. And "cyber-space" was accepted as the 5th dimension of the war.

While new technologies bring dynamism to business and daily life, they also contain unpredictable dangers. Today, we are faced with many new phenomena that start with the word "cyber". "Cyber-crime", "cyber-fraud", "cyber-bullying", "cyber-war" etc. And social awareness of these concepts is increasing day by day. Awareness, which has been started with the need for cyber-security, has already taken its place in business life as a new profession with the education and training of experts in the field of cyber-security.

The new pandemic expected after the Covid-19 outbreak maintains its importance as a strong thesis that "there may be problems in cyber-security and competitive governance of the ecosystem". Because the multidimensional cyber-security field has now become the nature of life. On the other hand, the business and sustainable development model is changing rapidly under the leadership of concepts such as "green economy" and "digital revolution", as it is better understood that moving from linear economy to "circular economy" is not an option but a necessity in the current pandemic process. This transformation, which also means new global standards, has the potential to radically change the competitive indexes. Knowledge economies focused on the "digital revolution", which redefines the meaning and value of power and property, will be the determinants of today and the future.

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In this context, the **Istanbul Cyber-Security Forum** with the main theme of **"Post-Security, Digital Revolution, Circular Economy and Cyber Ecosystem"**; will be organized with the following sub-themes concerning generating policy options for public, private sector and civil society decision-makers, offering proactive collaboration, model project/program proposals, and making a strategic contribution to global academic/expertise accumulation.

SUB-THEMES

Cyber-Security in the MENA (Middle East and North Africa) and Other Regions

Standards and Norms in Cyber-Security

Industrial Cyber-Security

IoT and Cyber-Security

Mobility and Cyber-Security

DeepFake and Cyber-Security

Artificial Intelligence, Virtual Reality, and Cybersecurity

Cyber-Security in Critical Infrastructures

Cyber-Security for Decision Makers