

# 61<sup>st</sup> FITCE International Congress

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## Deadlines

Special Session proposal:  
**March 30<sup>th</sup>, 2021**

Preliminary paper submission:  
**April 30<sup>th</sup>, 2022**

Notification of acceptance:  
**July 10<sup>th</sup>, 2022**

Final Paper (Camera Ready):  
**September 10<sup>th</sup>, 2022**

## FITCE/AEIT Secretariat

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# Save the date

Rome, September 29 - 30, 2022

# Future Telecommunications: Infrastructure and Sustainability

In near future, great part of worldwide data will be produced by machines for other machines, supported by proper networks able to guarantee specific requests ranging from ultra-broadband up to massive connections and ultrareliable links requests. Artificial intelligence is expected to process such data, also to limit Human control and management on these systems. 5G is now a reality and 6G is already in front of us, providing chances to let the wireless signal propagating mainly towards the receiver with the cooperative support of environments equipped with intelligent devices and surfaces. This smart management of the electromagnetic issues can help also to observe emission limitation regulations. Space applications are becoming easily accessible, but their set up may introduce unexpected risks. Intentional data degradation by unauthorized actors must be contrasted. Electronic chips and devices should be produced out of monopolistic advantages. Quantum computers and quantum communications will disclose further opportunities, but also possible threats. Precise international regulations and recommendations are expected to give clear frameworks in which permitted operations are possible. In this scenario, Covid 19 pandemic added new challenges. All the countries in the world are devoting large funds to favor recovery and resilience against the economic and social effects of pandemic. Next Generation EU represents the most important facility of this type in European nations. In UK a similar government recovery strategy is on the point of starting. All these aspects of future telecommunications would impact on the concept of technologic, economic and green sustainability, at either local or global level. The Congress aims to give proper hints for facing these fundamental questions, and to suggest possible long-term solutions.

## Topics of the Congress

Ultra-wideband access, edge computing, smart surfaces, antenna sensors and devices, electromagnetic network planning, national and inter-national cloud, data security, human interaction and exposure, space networks, green and optical networks and devices, application to IoT and Industrial Networks legal aspects, recovery and resilience plans, research programs.

*Authors are invited to submit preliminary papers containing a complete description of the proposed technical contribution along with results, suitably framed in the related state of the art. Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. Authors are invited to submit their manuscript proposal through the conference website EDAS (<https://fitce2022.edas.info/>), indicating the track name into the manuscript, and up-loading the file in the specific track folder.*

IEEE Technical Sponsorship is pending.

Due to the Covid-19 pandemic, the event is going to be held virtually. Depending on the pandemic situation, the conference may be held not only virtually but also in presence.

## Scientific Track

Network Architectures, Programmable Networks, Network and System Intelligence, Radio Communications and Smart Environment, Optical and Quantum Communications, Sensors and Devices, Service Management, Domain Specific Networks, Space Applications, Cyber Security, Telco Sustainability

## Industrial Technology Track

Products, Services, Manufacturers, Operators, Regulation, Competencies and skills

*Papers submitted in the Scientific Track will be peer reviewed in a selective procedure. Accepted papers that will be orally presented at the conference, are expected to be included in IEEE Xplore.*