

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

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**FITCE/AEIT Secretariat**

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**Venue**

Sapienza University of Rome Faculty of Engineering  
Via Eudossiana 18 • Rome, Italy

# Student contest

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. 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.

The Conference will be held in presence (depending on the pandemic situation) and it will also be virtual.

A **Student Contest** will be held during the 61st FITCE International Congress Future Telecommunications: Infrastructure and Sustainability.

The Conference Technical Program Committee and the AEIT President encourage young researchers (Ph.D., Master Students, and Graduate in recent years 2019-2022), to participate in the FITCE2022 Student Contest.

Papers presented for the Student Contest will be included in a Special Poster Session to be held at the conference.

Papers will be included in the conference proceedings but not forwarded to IEEE for inclusion in IEEEExplore.

## Rules

- authors are invited to submit a paper (2 pages min. in standard IEEE two-column format) via EDAS using the special Track "FITCE2022 Student Contest"
- each paper should deal with student's research or technical activity in any field of interest of FITCE2022
- the paper can be authored by students and their advisor(s) (a professor or a post-doc or an industry engineer);
- the main contributor (group leader) will appear as the first name in the authors' list; the advisor (if present) as the last one;
- the paper must be presented by the corresponding author;
- students must provide a document by their Faculty or advisor which certifies their status; this certificate has to be uploaded in EDAS using the "Student Certification" field.

## Deadline: September 17<sup>th</sup>, 2022

The review process will be managed by a special Student Contest Committee.

In order to participate in the contest the paper must be covered by at least one conference registration. The Student Contest Committee will select the best paper(s).

The recipient(s) will be awarded at the conference closure.