

# PROGRAM ON FUNDAMENTAL ASPECTS OF STRING THEORY

**August 4 – 15, 2025**  
at Principia Institute, São Paulo, Brazil

## CONFIRMED PARTICIPANTS

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String theory is a mathematically consistent theory of quantum gravity, but no one has determined whether it describes quantum gravitational interactions in our own Universe. The principal obstacle is that the theoretical tools used to study string theory, including the worldsheet formalism, spacetime effective theory, and holographic dualities, can at the moment describe only limited and idealized phenomena in nearly flat space.

This 2-week program will bring together researchers working on various aspects of these tools such as the pure spinor formalism, string field theory, AdS-CFT and algebraic geometry to try to extend these tools to describe more complicated superstring backgrounds.

The format will include only a few seminars per day with lots of time for discussion and collaboration. The first week of the program from August 4-8 will be jointly organized with the last week of the annual Simons Bootstrap Collaboration meeting.

There is no registration fee and limited funds are available for local expenses.

**Registration deadline:**

**June 28, 2025**

**Online registration and more information:**

**[ictp-saifr.org/pfast2025](http://ictp-saifr.org/pfast2025)**



## ORGANIZERS

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