The Abdus Salam International Centre for Theoretical Physics (ICTP) has a unique, dual mission: to support cutting-edge, theoretical and applied physics and mathematics research, while at the same time advancing scientific expertise in the developing world through training and educational programmes.

“A Global Approach to Science

“The deeper we seek, the more is our wonder excited, the more is the dazzlement for our gaze.”

Abdus Salam
ICTP founder and Nobel Laureate

“Traveling the world, I have met hundreds of scientists whose professional lives have been profoundly enhanced by their ICTP experience.”

David Gross
Physics Nobel Laureate

The ICTP campus in Trieste, Italy
ICTP’s Research Areas

- High Energy, Cosmology, and Astroparticle Physics
- Condensed Matter and Statistical Physics
- Mathematics
- Earth System Physics
- Applied Physics
- Quantitative Life Sciences
- plus new research in renewable energy and high performance computing

Quick facts:

- Founded in 1964 by Pakistani Nobel Laureate Abdus Salam
- Based in Trieste, Italy’s city of science
- Hosts 6000 visitors each year from 188 countries
- Supported by the Italian government plus two UN agencies—UNESCO and the IAEA
- UNESCO Category 1 Institute

ICTP’s Global Impact*

- in 2018

Training & Education

ICTP education programmes:

- Pre-PhD: Diploma, Sandwich Training
- Masters degrees: physics, complex systems, medical physics, high performance computing
- PhD degrees: physics, mathematics, Earth science and fluid mechanics

Career development programmes:

- More than 50 conferences, workshops and schools each year
- Associateship schemes
- Postgraduate fellowships

Laboratory opportunities:

- Training and Research in Italian Laboratories
- Elettra Synchrotron Programme
- Laser Laboratory
- ICT Wireless Laboratory
- Multidisciplinary Laboratory

 ICTP education programmes:

ICTP Partner Institutes (4)
Schools and Workshops (6)
Affiliated Centres (9)
Research Networks (9)
Scientific Meetings (70)

*in 2018

183 number of researchers (staff, consultants, long term visiting scientists, postdoctoral fellows)

54 number of countries represented by ICTP researchers

+90% share of ICTP research publications appearing in most-cited physics journals

190 students enrolled in masters, PhD Diploma, and STEP programmes

5607 participants from 142 different countries attended ICTP conferences

287 scientists from 53 countries engaged in career development programmes
For more details, visit us online at www.ictp.it