



Opportunities pre-PhD



- **Summer student program**
 - <https://jobs.web.cern.ch/join-us/studentships-summer-non-member-state-nationals>
 - Physicists, engineers, computing students
 - For just before or during Masters
 - 2-3 months lectures + short research project
- **Technical student program**
 - <https://jobs.web.cern.ch/join-us/technical-student-programme>
 - Engineering, IT, or applied physics
 - Practical training, final project
 - 4-12 months
- **CERN OPENLAB student program**
 - <http://openlab.web.cern.ch>
 - Practical training, special series of lectures, visits and project
 - 8 weeks in summer



Summer Schools



- CERN summer school: 8-13 weeks summer (31st Jan)
- DESY Summer School: 21 July – 10 September (31st Jan)
- Several other summer schools on different topics
GOOGLE!



EVENTS [view all](#)

- today
- ACTIVITY 17 JUL 2016 - 29 JUL 2016
» Hands-on Research in Complex Systems School | (smr 2872)
- ACTIVITY 25 JUL 2016 - 29 JUL 2016
» Conference on Long-Range-Interacting Many Body Systems: from Atomic to Astrophysical Scales | (smr 2830)
- upcoming
- SEMINAR 28 JUL 2016

HIGHLIGHTS [view all](#)



25 Jul 2016
"Light" Science in Asia
ICTP co-sponsors optics/photonics event in Pakistan



19 Jul 2016
Clouds and Climate
Conference looks at cloud behavior to understand climate change



20 Jul 2016
ICTP's Expanding Universe
Partner institutes spread ICTP's mission around the world



ICTP-Trieste



ictp.it



The Abdus Salam
**International Centre
for Theoretical Physics**
50th Anniversary 1964-2014



Research

Programmes

Scientific Calendar

| PRE-PHD PROGRAMMES | DEGREE PROGRAMMES | CAREER DEVELOPMENT | LABORATORY OPPORTUNITIES | SCIENTIFIC OUTREACH |
|---|---|--------------------|---|-------------------------------|
| ICTP Postgraduate Diploma Programme | Joint ICTP/SISSA PhD Programme in Physics and Mathematics | Federation Scheme | Training and Research in Italian Laboratories | Office of External Activities |
| ICTP/IAEA Sandwich Training Education Programme | Joint PhD Programme, Earth Science and Fluid Mechanics | Associates Scheme | ICTP-ELETTRA Users Programme | ICTP Partner Institutes |
| | Joint Laurea Magistralis in Physics | | ICTP Laboratories | ICTP in Africa |
| | Joint ICTP/Collegio Carlo Alberto Program in Economics | | | Science Dissemination Unit |
| | International Master, Physics of Complex Systems | | | African Review of Physics |
| | Masters in Medical Physics | | | |
| | Masters in High Performance Computing | | | |

diploma.ictp.it

An intense 12 months pre-PhD educational programme of the ICTP for talented young science students from developing countries.

The Postgraduate Diploma Programme is made of four fields, reflecting the core research activities of the ICTP sections: Condensed Matter Physics, Earth System Physics, High Energy, Cosmology and Astroparticle Physics & Mathematics.





Postgraduate Diploma Programme

- Diploma Programme (**1 year**), followed by 3 months-project
- Deadline: **January – start application well in advance.**
- Four specialized fields
 - Condensed matter physics
 - High energy physics
 - Mathematics
 - Earth System physics
- Master students and excellent undergraduates are eligible!



Joint Masters in Physics

A programme by ICTP and the University of Trieste

Background

ICTP and the Faculty of Sciences of the University of Trieste agreed to cooperate in the education of physics at the graduate level.

As such, an international study programme was developed, to provide graduate training to young promising physics students, within a two-year Masters Degree in Physics (Laurea Magistrale Interateneo in Fisica). Curricula includes:

- Condensed Matter Physics
- Nuclear and Sub nuclear Physics
- Theoretical Physics
- Terrestrial and Environmental Physics
- Astrophysics and Cosmology

Scientific Calendar

ACTIVITIES BY YEAR

[2017](#)[2016](#)[2015](#)[2014](#)[2013](#)[2012](#)[2011](#)[2010](#)[2009](#)[2008](#)[2007](#)

Each year, ICTP organizes more than 60 international conferences, workshops, and numerous seminars and colloquia.

- Interested in attending an activity? Complete an online application form: Events in the calendar that have an 'smr' number require an application. Click on the activity and complete the online application form.
- Do you want to propose a Scientific Calendar activity? See our [guidelines](#).
- External organizations can pay for and organize their own high-level scientific and cultural events at ICTP. Details for these "Hosted Activities" are available in the [Logistic Guidelines for Hosted Activities](#).
- [Travel fellowships](#) for ICTP conferences and workshops are available.

Showing 21 records

| ACTIVITY | |
|-------------------------------------|--|
| 17 Jul 2016 - 29 Jul 2016 @ ICTP | Applied Physics Hands-on Research in Complex Systems School I (smr 2872) Address: Strada Costiera, 11 I - 34151 Trieste (Italy) Room: AGH (Kastler Lecture Hall) Secretary: G. De Meo Organizer(s): Joseph Niemela, Michael Schatz, Mark Shattuck, Pietro Cicuta, ICTP Local Organizer: Joseph Niemela, M. L. Crespo Cosponsor(s): American Physical Society, Institute of Physics, European Physical Society **DEADLINE: 28/02/2016** |

SEARCH



Mazuza Ghneimat (graduate Al-Quds)

2012: CERN Summer School

2014: ICTP diploma HEP

2014 - present: PhD student Bonn university, ATLAS Experiment



2014: ICTP diploma class of 2013- 2014



Tasneem Saleem (Graduate Birzeit University)

- Master student at Paris Sud University in High Energy Physics
- PhD student Paris Sud University, ATLAS Experiment



July 2016



Ahmad Taninah (Graduate Birzeit University)

- DESY Summer student 2014
- PhD in the US in Nuclear Physics



Suhad Daraghmeh (Graduate Birzeit University)

- CERN Summer School 2013





Mamoud Alstaty (Graduate AAU)

- PhD student at CERN with Aix-Marseille University working on ATLAS experiment at CERN



Jehad Alshanty (Graduate An-Najah University)

- CERN Summer student 2014



Muhammad Alhroob (Graduate An-Najah University)

- ICTP diploma 2005
- CERN summer student 2007
- PhD Bonn University, ATLAS experiment 2012
- Since Post-doctoral fellow ICTP, CERN Fellow, currently at Oklahoma



Sharif Ghithan (Graduate Birzeit University & Al-Quds)

- PhD Coimbra University at LIP, Portugal, in accelerator Physics 2014
- Post-doctoral fellow at LIP, Lecturer at Birzeit
- Currently a CERN Fellow !!



Nedaa Asbah (from Jerusalem, Graduate University of Montréal)

- Geneva Summer student at CERN 2013
- PhD Humboldt university on ATLAS Experiment
- Just won prestigious ATLAS AWARD!!



Arwa Bannoura (Graduate Birzeit University)

- PhD Wuppertal University ATLAS experiment

Hadil Abualrob

- PhD SOLEIL synchrotron at Institut d'Optique
- Now lecturer at An-Najah University

Ahmed Bassalat

- PhD Paris Sud 11 on ATLAS experiment
- Now lecturer at An-Najah University



Brand new!!

CERN Summer Student Program:
Shaymaa Wahdan (Birziet University)(right)
Hanaa Bashir (An-Najah University) (left)



Muhammed Alhissi (Graduate Islamic University of Gaza)

- ICTP-Trieste Joint Masters in Physics

- If you are interested speak to us!
 - Nabil Iqbal: n.iqbal@uva.nl
 - David Marsh: cmm92@cam.ac.uk
 - Mario Martone: martonmo@ucmail.uc.edu
 - Kate Shaw: kshaw@ictp.it