



SUMMER SCHOOL ON “ NATURAL SPACE RISKS”

August 28 to September 1st 2017

Paris France

The Earth is exposed to numerous natural threats that originate from space. Our technology-driven society has become increasingly sensitive to solar storms, while space exploration has generated large amounts of debris that may fall back on Earth without control. Finally, asteroids may also enter the Earth's atmosphere, lighting up the sky but potentially also causing devastating damage when their size exceeds a few meters.

This summer school aims at providing master and first year PhD students with an intensive training on all these natural space risks. The programme will address space weather, space debris, near-Earth objects, and their societal impacts. Resilience aspects will also be tackled by researchers and by experts from the civil society.

During this one-week school students will have a mix of academic lectures and hands-on sessions on orbitography, solar observations, and applied data reduction and analysis, during splinter sessions. The lectures and the hand-on sessions will be run by experts coming from all over Europe; experts from the industry will explain the importance of natural space risks for their activities. This school is a unique opportunity to meet academic and non academic researchers at the early stage of a career.

Paris Observatory will host the summer school. Being the oldest and largest infrastructure in astrophysics in France, it will offer the possibility to visit some of the most ancient and up-to-date instrumentation.

The selection of the students is a two stages process. Candidates are first invited to apply by providing a CV, a short letter (one page) stating the motivations for the school, copies of recent academic transcripts and contact information for one professional reference. A dedicated committee will then select 30 candidates among the best applications. Applications should be submitted by email to nsr-2017-pilote@sciencesconf.org **by June 9th, 2017 (17:00 Paris time)**. The list of the selected students will be available by the end of June. After notification of their selection, the students will be asked to pay the registration fee (100€) to confirm their registration. The fee includes lodging and accomodation and is not refundable.

For more information: <https://nsr-2017.sciencesconf.org/>

Organizing Committee: C. Briand (chair), F. Deleflie, W. Thuillot, R. Aïd, T. Dudok de Wit