The Gran Sasso Science Institute (GSSI) offers 4 positions for research activity in the following fields of the Institute: Physics, Mathematics, Computer Science and Social Sciences.

Applicants must hold a PhD degree or an equivalent qualification.

1. Mathematics
- One position for the research project “GrowBot -Towards a new generation of plant-inspired growing artefacts”. The position is supported under the Grant Agreement n. 818744 (Call: ERC-2018-COG). Mathematical methods and numerics for models of plant biology. The research activity will be carried out within the European project GROWBOT https://www.growbot.eu/ and will be subject to the rules of the related contract.
  Annual gross salary: € 36.000,00.
  The postdoc position is funded for 2 years, with possibility of renewal subject to financial availability.

2. Social Sciences
- One position for the research project “DISCE-Developing Inclusive & Sustainable Creative Economies”. The position is supported under the Grant Agreement n. 822314 (Call: H2020-SC6-TRANSFORMATIONS-2018-2019-2020-Socioeconomic and cultural transformations in the context of the fourth industrial revolution. The activity of the postdoc will be related to the analysis, mapping, policy and evaluation of the creative and cultural industries (CCIs). One of the main tasks of the postdoc will be to review and analyse all the European policy documents related to CCIs with the aim of creating a final classification and taxonomy of the sector and evaluate its impact on regional economies. The position requires a very good mastery of English and an advanced knowledge of quantitative methods of analysis.
  Annual gross salary: € 36.000,00.
  The research grant is for one year.
  The researcher must start his activities at GSSI within February 1 2020.

3. Computer Science
- One position for the research project PRIN "Designing Spatially Distributed Cyber-Physical Systems under Uncertainty (SEDUCE)". The successful candidate will develop model-based techniques for modelling and analyzing spatially distributed cyber-physical systems subject to uncertainties. The research activities will involve the development of a component-based modelling language for the specification of spatio-temporal requirements, space and uncertainty of stochastic hybrid systems. The postdoc will also devise techniques to transform design models into spatio-temporal logic and differential equations to automate the analysis.
  Annual gross salary: € 36.000,00.
  The postdoc position is funded for 2 years, with possibility of renewal subject to financial availability.

4. Physics
- One position for the PRIN research project “Characterization of the Sos Enattos mine in Sardinia as the site for the Einstein Telescope GW observatory”. Postdoctoral position in gravitational-wave detection. The postdoc is expected to work on gravitational-wave data analysis or instrument-science problems of current or future gravitational-wave detectors.
  Annual gross salary: € 36.000,00.
  The postdoc position is funded for 2 years, with possibility of renewal subject to financial availability.
A very good knowledge of English is required. The applications must be sent to GSSI only by filling out the online application form at [https://applications.gssi.it/postdoc/](https://applications.gssi.it/postdoc/). Deadline: January 9 2020, 6 p.m. (Italian time zone).

The application must include:
- a curriculum vitae
- a research statement
- id document
The full call for applications is available at [https://applications.gssi.it/postdoc/](https://applications.gssi.it/postdoc/).

For additional information: info@gssi.