The Computer Science Area of the Gran Sasso Science Institute (GSSI) invites expressions of interests for faculty positions at the Assistant Professor level (Tenure Track) from highly qualified scholars worldwide working on themes that are strongly connected to at least one of the following research areas:

- **Algorithms**: Graph and network algorithms, combinatorial optimization, approximation algorithms, algorithmic game theory, computational social choice, multi-agent systems, analysis of complex networks, distributed computing, and algorithm engineering.
- **Formal methods for reactive and concurrent systems**: Models and languages for the rigorous description of reactive systems. Concurrency theory. Formal methods for (software) verification (including logics, model checking, type systems, probabilistic and stochastic methods, performance analysis) and their embodiment in software tools.
- **Machine learning**: supervised, semi-supervised and unsupervised learning, reinforcement learning, online learning, statistical learning, deep learning and their applications in data science, algorithmics, bioinformatics, cybersecurity, NLP, image processing, and more in general in the design, engineering and analysis of modern computing systems and applications.
- **Software engineering**: Methods and tools for software development, analysis, maintenance, and evolution. Model-driven engineering and Software Quality. Software architectures and architectural modeling languages. Dynamic adaptation applied to multiple domains, e.g., CPS and IoT.

The Computer Science Area at the GSSI (http://cs.gssi.it) is a vibrant, international and multidisciplinary environment. It currently has 9 faculty members, 9 postdocs and 30 PhD students. It carries out high-quality, interdisciplinary research on the above topics— and has a large national and international network of collaborators from top-class universities and research centres. As we are currently planning to expand our group, the present call for expressions of interest aims at identifying promising and motivated scholars who might want to join the GSSI faculty.

Candidates willing to work in the exciting GSSI atmosphere, as tenure track Assistant Professors, are required to have an excellent publication record, a proven record of achievements, a clear potential to promote and lead research activities, a specific interest in teaching at postgraduate level and supervising doctoral students.

A curriculum vitae, list of publications, and a brief research statement should be sent by email (eoi-cs@gssi.it), together with a short motivation letter in which the candidate discusses the reasons for her/his interest in joining the GSSI team. The candidates should also arrange for two recommendation letters to be sent directly to the GSSI (eoi-cs@gssi.it), to support their application. The expressions of interest should be sent at your earliest convenience and in any case not later than September 30, 2020.
GSSI is committed to gender balance, inclusion and diversity. All expressions of interest will be given proper consideration, independent of ethnicity, religion, age, gender, sexual orientation, or disability.