Position: **P**ost-doc position on Data Science and Machine Learning

Territori Aperti is a project funded by Fondo Territori Lavoro e Conoscenze di CGIL CISL e UIL that focuses on the management and analysis of data coming from natural disasters (https://www.territoriaperti.univaq.it). The project deals with the unique "disaster recovery" data regarding the devastating earthquake occurred in 2009 in the province of L'Aquila, Italy, and the subsequent reconstruction of the region in the following years. Territori Aperti aims to: (i) conduct a data and model driven deeper understanding of the resurrection of the socio-economic structure of a territory after a catastrophic event; (ii) collect and analyze data on the health of citizens and on the environmental quality of the region before and after the disaster and the subsequent building reconstruction, in order to identify health impact of natural disaster (earthquake); (iii) plan urban and logistical action and to define innovative reconstruction strategies and techniques in order to reduce and keep under control risks in case of natural disasters.

Qualifications: Candidates must hold a Ph.D. degree in Information Engineering, Computer Science or a related field. Candidates must have a demonstrated commitment to uphold the values of Equity, Diversity, and Inclusion in teaching, research and service. This includes the ability to foster creative and collaborative intellectual inquiry by bringing diverse knowledge, experiences and perspectives to learning activities and research projects. Candidates must demonstrate well developed research and teaching abilities in data science and analytics with expertise in machine learning, building high performance algorithms, and dealing with big datasets using advanced parallel computing platforms and tools (i.e. Hadoop, Pig, Hive, etc.) in various application domains. The successful candidate will have the ability to contribute to the interdisciplinary master program in Applied Data Science of the University of L'Aquila. Candidates must hold a strong research profile (e.g., evidence of an emerging scholarly record, ability to establish and maintain an independent, externally funded research program) in data science, data analytics and/or machine learning.

Responsibilities: The applicant could carry out teaching duties in the Applied Data Science Master Degree program. He will be expected to carry out research, service, mentoring and supervision of master and Ph.D students. The successful candidate is also expected to establish and maintain a dynamic, externally-funded research program, as well as fostering an inclusive, equitable, and collegial work and learning environment.

Salary: to be defined in accordance to the experience of the candidate

Applications Applicants should submit their expression of interest by sending:

- a motivation letter,

- a curriculum vitae,

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