



**Ph.D. fellowship within POLKA (an EU funded MSCA ITN)
at the University of Genova (UNIGE), Italy**

A position is available in the beautiful coastal city of Genova (<https://en.wikipedia.org/wiki/Genoa>) in the frame of the EU project POLKA (POLlution Know-how and Abatement), a multi-site Early Stage Training Program headed by Keele University (UK) and involving academic and industrial partners in Europe and India. The ESR (Early Stage Researcher) to be employed is expected to carry out theoretical and numerical research on thermo-acoustic instabilities within model combustion chambers of gas turbines, using tools such as hydrodynamic stability theory and adjoint-based analysis. As part of the project the fellow is also expected to spend part of her/his time at a partner institution within the Polka consortium. More information on the Polka project is available on <https://www.polka-eu.org/project-consortium/keele-uni.htm>.

The ESR to be recruited for a period of three years is expected to have a M.S. degree from a leading university in applied mathematics, physics or engineering. ESR shall, at the time of recruitment by UNIGE, be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree. The appointed researcher must not have spent more than 12 months in Italy in the 3 years immediately prior to recruitment.

Employment contract is offered for three years, with competitive salary. POLKA has a balanced consortium, both in terms of gender (5 female and 6 male main supervisors), and in terms of sector (6 academic and 4 industrial beneficiaries) and we particularly encourage women to apply for this PhD fellowship.

Deadline for application: January 19th 2021 (formal application via a dedicated UNIGE web site). Starting date: March 1st, 2021.

Send CV plus one-page motivation letter to alessandro.bottaro@unige.it and jan.pralits@unige.it.