UNIVERSITÀ DEGLI STUDI
DI PERUGIA

APPLYING FOR A MARIE SKŁODOWSKA-CURIE FELLOWSHIP AT THE UNIVERSITY OF PERUGIA

Presentation of CIRIAF (Department of Engineering)

CIRIAF, the interuniversity research center for pollution and environment "Mauro Felli" expresses its availability to host scientists from all over the world supported by the ITN and IF opportunity.

CIRIAF main research focus consists of energy saving in buildings, new smart materials, life cycle assessment, social and health issue related to environmental hazards, people awareness and occupants' behavioral studies aimed at energy saving, and renewables. The main funding opportunities come from national Ministries and European Commission, under the framework of FP7, LifePlus, and Horizon 2020 at the moment. CIRIAF conference is organized every year and it takes place at University of Perugia, linking all the Italian and foreigner scientists around the research issue of applied physics, building physics, material engineering, industrial engineering, medical science, etc.

CIRIAF is currently participating to 2 Horizon 2020 funded project started in 2015 aimed at developing worldwide research networks around new materials (phase change materials) for energy efficiency in buildings and net zero energy districts. Additionally, several proposal were developed and submitted in the same period also concerning preservation of cultural heritage by means of innovative materials for sensing and environmental control.

CIRIAF now is aiming at recruiting motivated and skilled young scientists under the framework of Marie Curie IF program for hosting their research in the field of energy efficiency in buildings and urban areas, occupants' indoor-outdoor comfort and awareness, building physics, indoor-outdoor continuous monitoring. Figures below in **Appendix 1** represents the main scientific experimental apparatus at CIRIAF, that will be at disposal of the scientist supported by the IF program.

References in the website https://www.researchgate.net/profile/Anna_Laura_Pisello represent the main published researches by Prof. Anna Laura Pisello who is in charge of this program, under the supervision of professor Franco Cotana, who have been leading CIRIAF for many years. Prof. Pisello's research team focused on the issues above mentioned, is represented by 1 post-doc, 3 PhD students in "Energy and Sustainable development", 1 PhD student from Virginia Tech (USA), 2 visiting scholars from Greece, 1 post-lauream young researcher, and several master students recruited every year in the Engineering school of University of Perugia and other foreigner universities.

If you are interested in the above themes, please submit an Expression of Interest (CV and brief description of your research area) by email to: anna.pisello@unipg.it. MSCA IFs take the form of European Fellowships and Global Fellowships.

An application must be developed jointly by the researcher and supervisor (Prof. A.L. Pisello). Proposals for Individual Fellowships involve a single host organization (future beneficiary) established in a MS or an AC. The project proposals are submitted by this host organization, which is represented by the supervisor, in liaison with the researcher. The applicants can submit their proposals to one of the 8 main evaluation

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panels: Chemistry (CHE), Social Sciences and Humanities (SOC), Economic Sciences (ECO), Information Science and Engineering (ENG), Environment and Geosciences (ENV), Life Sciences (LIF), Mathematics (MAT), Physics (PHY). Of course, the most valuable panels at CIRIAF should be ENG, PHY, ENV, and SOC. For European Fellowships the applicants can submit their proposals as Standard EF to one of the 8 main evaluation panels or to one of the 2 multidisciplinary panels: Career Restart Panel (CAR) and Reintegration Panel (RI). The CAR panel provides financial support to individual researchers who want to resume research in Europe after a career break, while the RI panel is dedicated to researchers who want to return to Europe to reintegrate in a longer term research position.

Global Fellowships GF are composed of an outgoing phase during which the researcher spends 1 to 2 years on secondment to a partner organisation in a Third Country, plus a mandatory 12-month return period to a host organisation (the beneficiary) located in a Member State or Associated Country.

For more information go to
http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-msca-if-2015.html

Appendix 1: Main experimental facilities at CIRIAF labs available for the ITN hosted scientist

- Acoustic chambers at CIRIAF lab
- New multidisciplinary research inspirations
- Outdoor multipurpose continuous monitoring setup for urban areas
- Continuously monitored full scale real buildings for experimental campaign
- Continuous monitoring permanent setup at the test-room field at CIRIAF
- Two continuously monitored full scale buildings
- Spectrophotometer with integrating sphere for measuring solar reflectance, absorbance and transmittance of opaque and transparent envelope materials
- Impedance tube, for measuring acoustic properties of materials
- Hot box full scale equipment for thermal transmittance measurements
- Hot disk and hot plate for thermal conductivity and diffusivity measurement

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