



**POR FSE 2014 -2020
REGIONE DEL VENETO**



**UNIVERSITÀ
DEGLI STUDI
DI PADOVA**

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SELECTION ANNOUNCEMENT FOR RESEARCH VISITING FELLOWSHIP

Project

**“Design and manufacturing by additive technologies of innovative components
using functionally graded materials”**

project code 2105-0036-1463-2019

Research:

“Additive manufacturing file format and data exchange for functionally graded materials”

**Project adhering to the Operational Programme co-financed by the Social European Fund and the
evaluation criteria approved by the Programme Monitoring Committee**

**Regional Operational Programme F.S.E. 2014-2020 Veneto Region
and the European Regional Development Fund POR 2014-2020**

Thematic Objective 8: Employment and Labour Market

Axis 1 – “Improve access to work”

D.G.R. (Regione del Veneto Decree) n. 1463 of 8th October 2019

Innovazione e ricerca per un Veneto più competitivo.

Assegni di ricerca 2019

(Innovation and research for a more competitive Veneto –

Research grants 2019)

Project approved for financing by D.D.R. n. 231 of 10th March 2020



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The University of Padova - Department of Civil, Environmental and Architectural Engineering

- Having considered Law no.168 of 9th May 1989
- Having considered Decree no. 17 of 9th January 2008 regarding the admission of third-country nationals for the purposes of scientific research
- Having considered the University's Regulation on Research grants "Regolamento delle borse per lo svolgimento di attività di ricerca"
- Having considered the D.G.R. (Decree of the Regional Board) n. 1463/2019

HEREBY DECREES

To publish a selection announcement for the awarding of 1 research visiting fellowship as Young talent fellowship at the Department of Civil, Environmental and Architectural Engineering under the supervision of prof. Gianpaolo Savio, Research Project Supervisor.

The research fellowship is addressed to professors or researchers coming from international academic institution.

The research fellowship shall last 3 months.

The research fellowship shall be for a total gross amount of € 12.000,00, financed by ESF DGR n. 1463/2019, Project code 2105-0036-1463-2019, CUP C94E19000760008, and will be paid in deferred monthly instalments.

The Research Fellowship Holder must carry out the following research activity:

This research is part of the project "Design and manufacturing by additive technologies of innovative components using functionally graded materials" POR FSE 2105-0036-1463-2019 funded by Regione del Veneto.

The project aims to develop new design paradigms of innovative components characterized by local properties variation, and to produce high-performance products made by additive manufacturing technologies.

The fellow shall:

- report the state of the art in file format and data exchange for additive manufacturing (literature review and software analysis);
- identify the most suitable file formats for functionally graded materials (variation in composition or variation in density);
- apply the file formats to case studies or, in needed, develop a specific file format;
- collaborate and support other researchers in design and manufacture of functionally graded components related to the POR FSE 2105-0036-1463-2019 project, paying particular attention to the CAD/CAM integration.

At the end of the visiting period, the research fellowship holder must submit a report on the activities carried out during their cooperation and on the achieved results.

If it is not possible for the research fellowship to arrive and stay for carrying out the activity in presence due to the health emergency related to COVID-19, the activity can also be carried out remotely. In this case, the research fellowship will have to demonstrate their commitment to research and exchange activities through regular exchange / collaboration with the grant holders working in the project.



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Admission requirements

Master degree.

Required skills:

- Knowledge of the english;
- Computer knowledge: knowledge of CAD/CAM tools (e.g. Rhinoceros) for additive technologies (e.g. Netfabb) and possible knowledge of programming software tools (e.g. Python)
- Knowledge of additive manufacturing technologies;
- Scientific publications;
- Relevant experience and research activities;
- Scientific curriculum and qualifications;

Incompatibility

The fellowships within this announcement may not be combined with:

- other research grants;
- other fellowships. Mobility fellowships awarded by Italian or foreign institutes for the same specific research activities required by this announcement will not be incompatible.

For self-employed and employed candidates, compatibility with the grant shall be determined by the Research Project Supervisor.

Research Fellowship cannot be awarded to anyone who is married or related to, or has an affinity with, up to and including the fourth degree of kinship, a professor or researcher working at the Department, the University Rector, the University Director General, or a member of the University's Board of Governors.

Procedures for submission of application form

The deadline for submitting the application form is on **06nd April 2021 at 1:00 p.m. (CET time)**.

The application form to use is available in attach, and it can be:

- 1) sent by personal email to direzione@dicea.unipd.it , attaching a valid identity document;
- 2) sent by Trusted email service (list of Trusted Service Providers available at <https://webgate.ec.europa.eu/tl-browser/#/>). The application can be signed digitally or hand-signed and scanned.

In the email subject line it must be written: "Selection Announcement for the Awarding of Research Visiting Fellowship – **Additive manufacturing file format and data exchange for functionally graded materials**" at the Department of Civil, Environmental and Architectural Engineering".

The following must be attached with the application:

- a) dated and signed CV, Europass format;
- b) copy of a valid identity document (Identity Card or Passport);
- c) any other document, qualification or publication relevant to the selection.

Selection procedure

Candidates' applications shall be evaluated by a Selection Committee that will be nominated in accordance with the "Regolamento delle borse per lo svolgimento di attività di ricerca" of the University of Padua (Regulations Governing Research Fellowships), on the basis of their qualifications.

Prior to assessing candidates, the Selection Committee shall establish the maximum score, the criteria and the procedure to be used in the evaluations.

Any changes will be communicated to the participants via e-mail.

At the end of the selection, the Selection Committee will submit a report to the Head of the Department for approval.



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Upon verification of the report, the Head of the Department decrees the ranking order and the awarding of the grant.

The administrative office of the Department that issued the selection announcement shall notify the successful candidate.

The winner must accept the award within ten days of notification. If the winner does not comply within said deadline, the winner will forfeit the right to the research fellowship and the fellowship will be awarded to the next eligible candidate, according to the ranking order.

The ranking order will be published on the University's website and on the Department's web page <https://www.dicea.unipd.it/dipartimento>.

Return of Documents and Publications

Any document and publication sent to the University can be returned at the applicant's expense after two months from the completion of the selection process, except in the event of ongoing litigation.

Processing of personal data

Personal data will be collected and processed in compliance with UE Regulation of 27.04.2016 n. 679 (General Data Protection Regulation - GDPR).

Personal data will be processed, in print or electronic format, only for uses relevant to this selection and the consequent acts.

Submission of personal information and its processing are compulsory for the participation to the selection. Sensitive personal information will be stored and handled according to Decrees 68/1999 and 104/1992.

Complete information on personal data processing is available at <http://www.unipd.it/privacy>

Reference person for administrative proceedings

In accordance with Art. 5 of Law no. 241 dated 7 August 1990, the person in charge of the selection process (RPA) is Tiziana Pampanin, Secretary of the Department of Civil, Environmental and Architectural Engineering, who can be contacted at the e-mail address tiziana.pampanin@unipd.it telephone no. 049/8275422.

Final provisions

Any matters not expressly provided for in this selection announcement shall be governed by current national laws and the regulations of the University of Padua

Padova, 15/03/2021

The Head of Department
Prof. Carlo Pellegrino