Call for the selection of n. 4 Junior Research Fellows
(Under the Italian Law 240/2010 article 24, subparagraph 3, point a)
 The University of Pisa announces a call for 4 Junior Fixed-Term Research Fellow for the Department and the scientific area or sector as listed in Annex A.
The fixed-term contract is to carry out research activities, teaching, integrative teaching activities and services for students, for a 350 hours commitment, on a full-time basis.
 The Junior Research Fellow is required to perform lectures for a minimum of 36 up to a maximum of 60 hours per academic year, allocated as an institutional assignment for Bachelor's and Master's degree programmes, Specialization Schools and PhD programmes. It is possible to provide a further derogation up to a maximum of 72 hours, in order to avoid an excessive partitioning of teaching modules.
Contract duration: 3 years
Deadline for application: 17/10/2022 1 p.m.

Admission requirements:
PhD or equivalent academic qualification awarded in Italy or abroad and recognised as eligible for admission.
medical specialization, for the sectors concerned
As for a qualification awarded abroad, equivalency or comparability documentation has to be provided as stated under:
 D.Lgs.165/2001, article 38:
http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo_equivalenza_Titoli_Accademici.pdf
Or under:
D.P.R. 382/1980, article 74:
http://www.miur.gov.it/documents/20182/0/Equipollenza_Dottorato_ricerca_dpr382.pdf/f5ff98ae-ddff-4166-a822-83ef1b57c7f0
As for an equivalent or comparable academic qualification, the candidate shall be admitted within the application's deadline and shall provide the qualification equivalency or comparability before the signing of the contract.
No admission to this selection for:
• 	Professors or Research Fellows with permanent position at the university, currently employed or currently retired;
• 	Fixed-term Research Fellowship or Post PhD research grants at the University of Pisa or other Italian universities, either public, private or online, and other public institutions (Under the Italian Law Italian Law n. 240/2010, articles 22 and 24) for a period that, totalled over this contract, would exceed 12 years altogether, even when not consecutive. As for the duration of the working period mentioned above, parental leave or medical leave, are excluded (under the existing legislation).
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Applications:
Applications are to be submitted online only, using the following link: https://pica.cineca.it/unipi/
or shall be invalid. It is necessary to have an email address to login and complete the application.
Applicants should fill in all the required data and upload all documents in PDF format.
The system allows saving a draft of the application within the application deadline. The system will register the online application date and send a receipt with an automatic e-mail reply. After deadline, the system will not allow login nor application submission.
In order to be valid, application shall include all the required data, applicant's signature and a valid identification document.
Each application will be assigned a tracking number to be cited in all subsequent communications, together with the selection code provided by the application form.
Applicants undertake to communicate in writing any variations of what declared in the application form.
The communication shall be edited in PDF format, signed and forwarded to the University of Pisa Rector via the Italian certified e-mail system address (P.E.C. Posta Elettronica Certificata):

protocollo@pec.unipi.it or via e-mail at: concorsi@adm.unipi.it. Applicant's valid identification document shall be annexed.

For further information on application submission, please refer to concorsi@adm.unipi.it

For any IT malfunctioning please refer to unipi@cineca.it.

Applications shall be completed with the following annexes:

1. A self-attested Curriculum of the personal didactics, teaching and scientific activities, dated and signed;

2. The Publications applicant considers eligible for this selection with the corresponding list dated and signed;

3. A complete list of all Publications, dated and signed;

4. A copy of the fiscal code (if applicable) and identification card/passport, dated and signed;

All publications should not exceed 30 megabyte and are to be submitted in PDF format only, using the specific section of the application form.

Selection procedure:

A Rector's Decree will appoint the Selection Committee, consisting of three members.

The selection will be made according to a preliminary assessment of the candidates with an accurate and evidenced analytic evaluation of the Curriculum, of qualifications and scientific results, including PhD thesis.

After the preliminary assessment, the candidates that have comparatively proven to be the most meritorious, will be admitted to an open interview; they will represent between 10 and 20 % of the total and will be not less than six. The interview will concern applicant's qualifications and scientific results. In the event the number of applicants is six or less, all candidates are admitted. All admitted candidates will be summoned by registered post at least twenty days before the interview; the failed attendance to the interview will be considered as a voluntary renunciation.

During the interview, all candidates will be furthermore tested on the foreign language skills requested by the selection.

Date, time and procedures for qualifications and publications' discussion will be issued on the University website at the following link: https://bandi.unipi.it/public/Bandi?type=RIC, on the relevant section of the procedure referred to in this call on 28 October 2022 (providing a 20 days' notice at least).

The notice on the University website will be considered as a notification for the selection candidates, who will have to attend on the day and time indicated without any further communication.

No personal communication will be sent to candidates; therefore, the selection candidates are required, in any case, to check on the University website at the link above on 28 October 2022 and then during the two days preceding the date set for the interview.

Failing to attend the interview at the date and place set for the selection will be considered an explicit and definitive waiver by the candidateswho will therefore be excluded from the selection, whatever the cause of their absence, even if for reasons indipendent from their will.

"The list of candidates admitted to the interview will be published on the university website at https://www.unipi.it/index.php/concorsi-gare-e-bandi in the section dedicated to the procedure in this call"

Please note that the English version is given as a matter of courtesy, for the only purpose of information. It cannot be legally used in the event of a dispute or a claim arising from the interpretation of this translation and concerning the contents, a possible uncertainty, contradiction or discrepancy. Should this occur, the Italian version of the call shall prevail as the only valid. For full Italian text see: https://www.unipi.it/ateneo/bandi/ricercat/ricercator/index.htm

(1) If applicable

Department of Computer Science
Admission Examination 01/B1 Informatics
Disciplinary Scientific Sector: INF/01 Informatics
Nr. of position available: 2

Progetto PNRR CN1 "Centro Nazionale per Simulazioni, calcolo e analisi dei dati ad alte prestazioni"
Spoke 1 "Future HPC" CUP I53C22000690001

Focus of research:
Models, methodologies, algorithms, tools and integrated toolchain supporting the development of applications targeting HPC systems, from single multicore hetergeneous systems up to highly parallel cluster/cloud systems with their storage systems (in inglese)

Scientific productivity:
• development of new scientific results, supported by experimental results on state-of-the-art parallel architectures with publications on relevant HPC journals and conference proceedings
• development of open source proof-of-concept prototypes
• contributions to development of existing prototypes and tools
• contributions to the research themes of Spoke 1 "Future HPC" in cooperation with members of the other research teams in the spoke

Head office:
Department of Computer Science

Specific didactic activity of the contract
Teaching activity (lessons and integrated actities) in the framework of the first degree Computer Science course (S.s.d. INF/01), in particular in the subjects of labs and of the system area.

Candidates will be required to demonstrate an adequate knowledge of English language

Candidates may present a maximum number of 12 scientific publications

Department of Civil and Industrial Engineering
Admission Examination 09/A1 AERONAUTICAL AND AEROSPACE ENGINEERING AND NAVAL ARCHITECTURE
Disciplinary Scientific Sector: ING-IND/06 FLUID DYNAMICS
Nr. of position available: 1

Progetto PNRR Nazionale 1 - Simulazioni, calcolo e analisi dei dati ad alte prestazioni – Spoke 6 - Multiscale Modeling and Engineering Applications

Focus of research:
The research activity will concern the themes peculiar to the SSD ING-IND/06, with a particular focus on the study of complex flows, characterized by multiscale phenomena, by means of numerical modeling and simulation, and of high-performance computing.

Scientific productivity:
Preparation of scientific papers for publication on international journals or for presentation during national and international Conferences. The scientific production must be coherent with the scope of SSD ING-IND/06. Technology transfer activities.

Head office:
Department of Civil and Industrial Engineering

Specific didactic activity of the contract
The teaching commitment will consist of bachelor and master courses related with the SSD ING-IND/06 of the School of Engineering of Pisa; it may also include teaching in doctoral and post-graduate specialization courses.

Candidates will be required to demonstrate an adequate knowledge of English language

Candidates may present a maximum number of 12 scientific publications

Dipartimento Department of Information Engineering
Admission Examination 09/H1 INFORMATION PROCESSING SYSTEMS
Disciplinary Scientific Sector ING-INF/05 INFORMATION PROCESSING SYSTEMS
Nr. of position available: 1

Progetto PNRR CN 1 "Centro Nazionale per Simulazioni, calcolo e analisi dei dati ad alte prestazioni", CUP I53C22000690001 Spoke 1 "Future HPC"

Focus of research:
Research activity on topics related with the scientific sector ING-INF/05 – Information Processing Systems, with special focus on architectures, protocols, and solutions for High Performance Computing.

Scientific productivity:
Publication of papers in qualified international journals; participation to international conferences; involvement in national and international research projects.

Head office:
Department of Information Engineering

Specific didactic activity of the contract
Teaching activities on topics related with the scientific sector ING-INF/05 – Information Processing Systems". Management of teaching activities and projects.

Candidates will be required to demonstrate an adequate knowledge of English language

Candidates may present a maximum number of 12 scientific publications