**The University of Clermont Auvergne is recruiting a contractor
for the role of a research professor [1]
as part of the Tenure Track CAP 20-25 system
Fixed-term contract for an initial duration of three years**
(Cf. ANNEX "Presentation of Tenure Track CAP 20-25 system at UCA")

Tenure track position

**In "Mathematical programming and discrete mathematics »
Applications open: February, 5th, 2020
Applications close: March, 26th, 2020**

JOB ADVERT NUMBER: TT EC CDD

START DATE: September 1st 2020

FACULTY: Institut d'Informatique

LABORATORY: LIMOS – UMR CNRS 6158

Brief teaching and research profile: Research and teaching within the area of mathematical programming and discrete mathematics. The teaching will be principally within the fields of undergraduate and master levels in "Applied mathematics and computer science".

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Research fields EURAXESS :   computer science, mathematics

Keywords 1 :   Informatics, Modelling tools, Mathematical programming, Discrete mathematics

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[1]) This role is open to those with disabilities.

DETAILED RESEARCH PROFILE:

A tenure track position in "mathematical programming and discrete mathematics» is opened at the University Clermont Auvergne, Clermont-Ferrand, France. The position is funded by the « ***Challenge 1: Sustainable agroecosystems in a context of global change*** » of the I-site CAP2025 initiative (https://cap2025.fr/research/).

The Call is open to outstanding candidates in the field of mathematical programming and discrete mathematics. Additional expertise related to robust, stochastic optimisation and/or approximation algorithms will be appreciated.

The successful candidate will join the research axis MAAD (Models and Algorithms for Aided-Decision) of the LIMOS laboratory (UMR CNRS 6158, https://limos.fr), in Clermont-Ferrand, France and will work within the context of a large, recently funded project on "***Sustainable agroecosystems in a context of global change***" ("challenge 1" of I-Site Cap 20-25)(https://cap2025.fr/research/). The MAAD group has a strong research orientation in the fields of combinatorial optimization, mathematical programming, graphs and lattices theory. There is also a close cooperation with other groups at LIMOS.

We seek for candidates with strong theoretical background as well as an expertise in practical applications. The target applications areas are related to the delivrable 8 of the « Challenge 1: Sustainable agroecosystems in a context of global change »: design decision-making tools and models for small to large-scale sustainable agroecosystems (plot, farm, sector, territory); ecosystems of agricultural areas; food systems at the territorial level.

The candidate is expected to develop collaborations with other research groups in the I-Site CAP2025 initiative and initiate projects at the national and international levels.

Name of laboratory: LIMOS Laboratory (https://limos.fr), Clermont-Ferrand, France
Name of laboratory director: Farouk Toumani
E-mail of laboratory director: dir.limos@isima.fr
Laboratory URL: https://limos.fr

DETAILED TEACHING PROFILE:

The applicant must be able to teach mathematical programming and computer science in English from first year and in French after three years. The teaching load will be 64 hours per year during the three first years, and 96 hours per year during the two following years. The teaching will be principally within the fields of undergraduate and master levels in "Applied mathematics and computer science".

Teaching faculty: Institut d'Informatique
Name of director: Alexandre Guitton
E-mail of director: alexandre.guitton@uca.fr
URL composante le cas échéant : http://www.isima.fr

Additional information about the job concerned

can be obtained from:
   M. Farouk TOUMANI (farouk.toumani@uca.fr)
   M. Alexandre GUITTON (alexandre.guitton@uca.fr)

Particular information about Tenure Track[2]:

The available position is for a role as a contracted research-professor, with a teaching aspect reduced to 64 tutorial hours for the first three years.

This is a fixed-term contract for an initial period of three years and can be renewed for two years after an evaluation. After these five years of probation, and in the event of a positive evaluation, an open-ended contract as a research professor will be offered. In addition, UCA is committed to opening a university professor post that would allow the successful applicant to be given tenure in a statutory post.

Remuneration will be approximately €37,000 gross per year.

Specific conditions of this Tenure Track job open to competition:

« *Challenge 1: Sustainable agroecosystems in a context of global change* » of the I-site CAP2025 initiative (https://cap2025.fr/research/).

Means of application, dates and process:

►Eligibility requirements:
   - have a doctorate or an equivalent qualification
   - have completed the doctorate or post-doctorate abroad

►Content of the application file:
The application file should include:
   - the application declaration, which can be downloaded from the UCA website (*Université/ travailler à l'UCA/recrutement des personnels enseignants*)
   - a CV giving an analytical presentation of works, publications, articles and projects
   - copies of a maximum five pieces of work mentioned in the CV
   - a research project limited to 30,000 characters, excluding spaces
   - a copy of doctorate or equivalent qualification
   - both sides of a piece of photographic ID

Please note:
   You must ask two respected scientists from your specialised field for a letter of recommendation, which should be sent directly to the president of the selection committee.
   Send only by the means indicated to:
   at the latest by:

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[2]) See Annex for more detail.

►Candidate interview.

The University will take responsibility for travel costs (mileage) for candidates selected for interview.

►Means of sending the application file to the institute:

All documents included in the application file should be in PDF format and sent solely by the means indicated and, without fail, **in a single compressed file (ZIP is preferred).**

The file should be named as follows: "TTRACK EC CDD Job advert no. – Candidate's SURNAME, first name".
E.g. TTRACK CDD 984 – DURAND Michelle

If the message with the attachment is rejected by the e-mail server (University of Clermont-Auvergne limit, 24 Mb), you can find free services online for sending large files (e.g.: **https://wetransfer.com/)**. In this case, you then need to send the link to the recruitment department so that they can download the file.

send the file to recrutement-enseignant.drh@uca.fr (wit a copy to dir.limos@isima.fr)

no later than the application closing date:

(if the message is sent before midnight, the date of receipt by the Human Resources department will be valid)

All files sent outside this period will not be accepted
All files that are still incomplete on the final submission date will not be accepted

► Means of sending results to candidates:

The candidates will be informed of the results of the competitive exam by the UCA Human Resources department

Objectives of the Tenure Track CAP 20-25 system:

This system aims to allow the most technologically advanced scientific fields at the Clermont academic institute to remain/become competitive on a global scale in terms of recruitment by putting in place a specific process for becoming tenured that should remain exceptional.

Description of the system:

The Tenure Track system concerns research professor posts advertised by higher education institutes that are CAP 20-25 members. It targets a limited number of posts in the institute's disciplinary areas of excellence, as identified by the project's scientific challenges. It is also aimed at candidates who have completed their doctorate or post-doctorate abroad.

The system is made up of four stages.

– Stage 1: recruitment according to the provisions of Article L. 954-3 for a research professor in a fixed-term contract for three years. This includes selecting and ranking of candidates by a selection committee, followed by approval from the Academic Council of the institute where the post is advertised

– Stage 2: possible two-year renewal after evaluation

– Stage 3: move from a fixed-term contract to an open-ended contract, based on a positive evaluation at the end of the five-year probationary period and in accordance with the same processes and the same regulatory provisions as stage 1

– Stage 4: Possibility of tenure in the post of university professor, which has been reserved since the start of the process, on the condition that the person concerned is qualified to be a university professor.

Renewal criteria and change to open-ended contract.

The evaluation criteria make it possible to give the candidate a scientific standing. The (quantitative and qualitative) evaluation of the candidate's scientific production will be completed using other criteria: commitment to introducing state-of-the-art teaching and training, ability to create and lead innovative projects and contribution to the wider circulation of the research results.