Call for Visiting Professors
DATAIA Convergence Institute

Background

The DATAIA Institute is the French convergence institute specialized in data science, artificial intelligence and society, or how big data technologies and artificial intelligence intersect with the human and social sciences so that artificial intelligence benefits to society.

Selected by the National Research Agency (ANR) as part of the "Investments for the Future" programs, the DATAIA Institute aims to consolidate and structure a wide multidisciplinary expertise to better meet the major challenges in data science, artificial intelligence and their applications, by removing barriers between mathematics, computer science, humanities and social sciences.

Right from the beginning, it has gathered more than 130 researchers and professors from seventeen institutions (see Appendix 2 below) and is launching an industrial affiliate program that enables close collaboration with companies.

Scientific Scope and Objectives

Candidate applications should demonstrate how they contribute to the objectives of the DATAIA Institute and in particular to the structuring of the field of data science within the Paris-Saclay Campus. As a result, all proposals must fit into at least one of the 4 main challenges of DATAIA and can impact an application domain (see the list of "Subject Areas" in Appendix 1). Visiting professors must be supported by at least two laboratories from two partner institutions of the DATAIA Institute (see list in Appendix 2) that do not belong to the same host institution.

This 2019 call will finance visiting professors for a stay of 1 to 12 months and applications will be reviewed throughout the year. The candidate must be a well-known researcher or professor. The DATAIA Institute funds the visit with a monthly grant of € 4000 that will be used for professors' remuneration and / or their living expenses. An additional allowance of € 1500 will be paid for travel expenses.

Duties and Responsibilities

Visiting professors agree to offer master or doctoral students a course program or seminars in the partner laboratories and to lead one session of DATAIA seminar.

One of the host laboratories will provide DATAIA Institute with a summary of one or two pages about visitors activities, within 1 month after their visits. This report will detail the activities carried out during the stay, the highlights and prospects for future collaborations. The host laboratories also commit to give DATAIA information that allows to measure the impact of the visit (projects or joint publications in particular).

All beneficiaries of support from the convergence institute must include the following text in all the scientific communications related to the funded activities : *This research was supported by DATAIA Convergence Institute as part of the « Programme d'Investissement d'Avenir », (ANR-17-CONV-0003) operated by [DATAIA Partner] XXX.*

Terms of application submissions

This call is restricted to teams within the scope of the DATAIA convergence institute. Only the laboratories of the partner institutions listed in the financing agreement may be bearers and managers of the funding allocated (see Appendix 2).

Application Process

Applications will be jointly written by the host laboratories and the prospective visiting professor. The document will be submitted by one of the host laboratories by email to submission-dataia@inria.fr

For any questions, please contact:

- Viviane Hoang (viviane.hoang@inria.fr)
- Frédéric Pascal (frederic.pascal@centralesupelec.fr)

The application should include

- ❖ Administrative information as below
    - Names of the host laboratories and project leaders and their contact information
    - Names of laboratories (or teams) of the convergence institute that will benefit from the funding
    - Names, contact details of the scientific and administrative managers within each laboratory (team) of DATAIA partners receiving funds
    - Choice of at least one DATAIA subject areas (see Appendix 1)
    - Length of the stay and estimated arrival and departure dates of the visit
    - Expected benefits for DATAIA Institute
- ❖ And a description of the visiting professor proposal with the following items:
    - Candidates CV (3-5 pages with contact information, status and home institution, and major scientific contributions)
    - Course and seminar programmes planned for the visit (2 pages max)
    - Proposal of courses / seminars (1 page max)

Selection Process

Applications will be reviewed and selected by the DATAIA executive committee (Bureau). The committee will inform the host laboratories of their decision within one month after application submissions.

Appendix 1
Subject areas
The scientific program of each proposal should explicitly address at least one of the four subject areas outlined on the link below; these are the four interdisciplinary challenges of DATAIA : see http://dataia.eu/en/institute/overarching-challenges

Projects may address topics more specific to application areas. A non-exhaustive list of these areas is available on link below. However, it is requested that projects address data science issues of general interest and are not restricted specifically to a field of application: see http://dataia.eu/en/application-domains

Appendix 2
List of DATAIA partners
Agro ParisTech
CentraleSupélec
CEA
CNRS
Ecole polytechnique
ENS Paris-Saclay
ENSAE
ENSTA ParisTech
HEC Paris
IFP-EN
Inria
Institut Mines-Telecom (Télécom ParisTech, Télécom Sud Paris, Institut Mines-Télécom Business School)
Inra
Université d'Evry Val d'Essonne.
Université Paris-Saclay
Université Paris-Sud
Université Versailles St-Quentin-en-Yvelines