

## Open Research Position at Inria Lille – Nord Europe

Research group: BONUS

Last annual activity report: [BONUS 2020 activity report \(inria.fr\)](#)

### Description

The [INRIA research institute](#) invites applications for multiple permanent researcher positions to start in the 2022-2023 academic year. High performance computing (HPC) and/or Machine Learning-assisted big optimization is among its top priorities for the recruitment. This hot topic is a major focus of the BONUS research group, which is part of the INRIA Lille – Nord Europe research center located at Lille (North of France). Qualified applicants in Computer Science are invited to apply with the objective to join the BONUS research group as a permanent researcher.

### Qualifications

The BONUS team addresses big optimization problems (high-dimensional in decision variables and/or objectives, and/or with computationally expensive black-box functions) using mainly Machine Learning-assisted optimization and High-performance (parallel) optimization.

Candidates should hold a **Ph.D. or equivalent degree** in Computer Science or a related discipline. BONUS is interested in applicants having a strong background in at least one of its research lines: **Machine Learning-assisted optimization** or **parallel optimization**. Candidates with **only HPC-related profile**, highly motivated to adapt their activities to the context of big optimization using HPC in keeping with the BONUS research program, are also invited to apply.

### Some benefits in addition to the salary

- Subsidized meals,
- Partial reimbursement of public transport costs,
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.),
- Possibility of teleworking (after 6 months of employment) and flexible organization of working hours,
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities,
- Access to vocational training,
- Social security coverage.

### Application Instructions / Contact

Applicants are asked to contact the leader of the BONUS team, Prof. Nouredine Melab at [Nouredine.Melab@inria.fr](mailto:Nouredine.Melab@inria.fr). After this contact, if a candidate is encouraged to apply he/she will do it officially through the INRIA online application process that will be soon indicated here: [Talents | Inria](#).