Main activities:

- Scientific research (definition of models, algorithms etc.; proofs)
- Implementation of prototype tools for evaluation of the proposed techniques
- Written presentation of the obtained results through papers and reports
- Oral presentation of the obtained results at scientific conferences
- Participation in the supervision of students at all levels

References

Additional activities

- Strengthening of one's scientific network and definition of a career strategy
- Participation in the development of a user community
- Participation in other activities to promote the team's research to broader audiences

Skills

- Formal methods (in particular semantic models, e.g. finite automata, Labelled Transition Systems and Petri Nets; behavioural equivalences, e.g. trace equivalence and bisimilarity)
- Verification (in particular temporal logics, e.g. LTL and CTL; tools, e.g. nuXmv, mCRL2)
- Knowledge of coordination languages, such as BIP, is a plus
- Proven experience in preparation of scientific documents (including mastery of LaTeX)
- Proven experience in software development (Java, Python)
- Excellent communication skills

Benefits package

- Subsidised catering service
- Partially-reimbursed public transport

Remuneration

Around 31 000 € yearly bruto.