Open postdoctoral position in Operations Research at the University of Fribourg, Switzerland

A postdoctoral position is open at the Department of Informatics at the University of Fribourg (Switzerland) within the Decision Support & Operations Research group. The successful candidate will work on our efficient and sustainable waste collection project that we started about two years ago. This project is conducted in collaboration with an industrial partner. The goal is to improve the municipal solid waste collection process by designing efficient and sustainable collection strategies targeted to the needs of the municipalities (further information on www3.unifr.ch/inf/dsor/en/research).

The main tasks of the postdoctoral researcher involve establishing and implementing mathematical models and combinatorial optimization algorithms for new waste collections strategies and developing a (web-based) decision support system enabling to specify the inputs and to display the results of the optimization process for different collection strategies.

The postdoctoral position is fully funded for 1.5 years (with possible extension). Starting date is flexible. We offer a competitive gross salary starting at 75'000 CHF per year. The postdoctoral researcher gets the opportunity to attend international conferences and to travel and learn from leading experts through our wide network of academic and industrial collaborations.

The candidate must:

- have a PhD degree in Operations Research, Computer Science, Information Systems, Mathematics, or related domain.
- have a strong background in applied combinatorial optimization and integer programming.
- have strong programming skills.
- be able to develop and implement optimization methods for large-scale, real-world problems.

To apply, please send a complete CV, a motivation letter and some references to Prof. Bernard Ries: bernard.ries@unifr.ch. For further information, please contact Dr. Reinhard Bürgy reinhard.buergy@unifr.ch.

Formal evaluation of the applications will begin on October 1, 2020. Applications beyond that date might be considered.