

PhD position in Operations Research

Research Institute: Center for Operations Research and Econometrics ([CORE](#)), which is a part of Louvain Institute of Data Analytics and Modeling in Economics and Statistics ([LIDAM](#)).

Contract: Full-time doctoral fellowship, 24 months, renewable once (for a maximum of 4 years).

Start of contract: September 2025, depending on the availability of the candidate.

Campus: Mons or Louvain-la-Neuve.

Proposed PhD topic:

Digital freight platforms are online platforms that facilitate freight shipping. Among others, they offer spare capacity available on trucks to shippers (at a reduced cost) to increase efficiency and to decrease congestion and emissions. The goal of the research is to characterize optimal policies for both platforms and shippers. The candidate, however, is free to propose/discuss another topic that aligns with the research expertise of the supervisor (e.g., scheduling, quantum computing, inventory management...).

You have:

- A master's degree (MA or MSc) in a relevant field of study (e.g., business engineering, industrial engineering, mathematics, engineering, or computer science), obtained with honors. Students that are currently in the final year of their Masters are especially encouraged to apply (note that you can apply even if you graduate in September 2025).
- A strong interest in scientific research in general, and optimization in particular, combined with a flexible, creative, and curious mindset.
- Good coding skills, preferably in C++.
- A good command of the English language is a prerequisite. An understanding of French is an asset, but not mandatory.
- Strong social skills that enable to work in team, as well as the necessary skills to work independently (with guidance and mentoring).
- A responsible personality who values ethics.

We offer:

- A fulltime PhD position of maximum four years (upon successful yearly evaluations).
- An interesting and diverse job.
- A net salary of around 2500 Euro per month.
- The possibility to contribute to society with relevant research that aims to be applied in practice.
- Numerous opportunities for personal growth through, for instance, participation in international conferences, doctoral courses, collaboration with companies and international scholars ...

Any questions? Do not hesitate to contact prof. Stefan Creemers (stefan.creemers@uclouvain.be).

Interested? Please send your CV and motivation letter to stefan.creemers@uclouvain.be before May 30th, 2025.

