PhD position in Optimization under Uncertainty

The Department of Operations at the University of Groningen has a PhD position available in the field of Operations Research on the topic of multistage stochastic optimization problems with integer decision variables. The goal of the PhD project is to develop and implement new exact and approximate solution methods for these highly relevant but challenging problems. In addition, performance guarantees for these new solution methods will be derived.

This position is part of a larger 5-year research project “Discrete Decision Making under Uncertainty”, in which researchers work on developing new theory, algorithms, and case studies for discrete decision-making problems under uncertainty. For example, the newly developed algorithms will be applied to real-life cases such as designing a sustainable hydrogen supply chain for the Northern Netherlands and asset liability management for pension funds.

Starting date: September 1, 2023 (or earlier)

For more information, please contact Dr. Ward Romeijnders at w.romeijnders@rug.nl.