

# Transactions Fraud Detection using Machine Learning and Nature Inspired Algorithms

Peter Mačinec and Timotej Zaťko

Faculty of Informatics and Information Technologies,  
Slovak University of Technology, Bratislava

**Abstract.** The abstract should briefly summarize the contents of the paper in 15–250 words.

**Keywords:** Transactions Fraud Detection · Machine Learning · Nature Inspired Algorithms · Data Analysis.

## 1 Introduction

## 2 Related works

- Gray Wolf Optimization Algorithm [1]

## 3 Problem definition

## 4 Method proposal

## 5 Preparation

## 6 Experiments

## 7 Conclusion

## References

1. Mirjalili, S., Mirjalili, S.M., Lewis, A.: Grey wolf optimizer. *Advances in Engineering Software* **69**, 46–61 (Mar 2014). <https://doi.org/10.1016/j.advengsoft.2013.12.007>, <https://www.sciencedirect.com/science/article/abs/pii/S0965997813001853>