Overview (updated*) of research history

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1 Introduction

This document contains the short description of my research that was done in the period since I started my master studies until now (2022). The research sketch is split into number of sections according to the topics of my research.

2 Covering problems

In the context of covering problems we have published the following papers: [6–10,13,20,25,30,86–90,93,101,165].

3 Facilities location

Numerous results were produced for facilities location problems: [11–14,16,24,42,45,57,91,92,94,97,134].

4 Ad-hoc and sensor networking


5 Spanners

Several papers were published in the area of spanners for networks: [52,58,65,129,133,136,175].

6 Geometric algorithms

We have investigated various geometric problems and provided efficient solutions for them. These include: [17–19,22,26,27,68,83,95,96,100,105,106,139,143,155].

7 Algorithms and optimization

Number of results regarding the general topic of algorithms and optimization: [15,32,50,63,66,82,85,99,102,115,130,132,149,174,182,185].

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8 Scheduling in switches and network processors

Additional results for scheduling in switches and network process can be found in: [53, 55, 59, 64, 79, 124–126, 128, 138, 152].

9 Vehicular ad-hoc networks

Different approaches for solving the problems in VANETs are shown in: [67, 72, 74, 75, 78, 80, 84, 142, 145, 148, 151, 154, 159, 164].

10 Anomaly detection and privacy

Results can be found in [?, ?, 166, 167, 170–172, 176].

11 Wireless networking

The following papers contain some research related to general wireless networking problems: [34, 35, 69, 81, 111, 114, 144, 156, 158, 160].

12 Satellite networking

Several results are listed here: [173, 177–179]

13 Edited proceedings

The following proceedings were prepared by us: [1–3].

References


