List of Abbreviations

AccC : Acceptance Criteria (ILS)
ACO : Ants Colony Optimization
ACF : Auto Correlation Function
AI : Artificial Intelligence
AnnS : Annealing Schedule (AS)
AP : Anchor Point(s)
API : Application Programming Interface
AspC : Aspiration Criteria (TS)
AS : Algorithm Specific

B&B : Branch and Bound
B&C : Branch and Cut
BF : Best Found
BK : Best Known

CAPTCHA : Completely Automated Public Turing Test to Tell Computers and Humans Apart

COP : Combinatorial Optimization Problem
CP : Control Panel
CurS : Current Solution

DTP : Design and Tuning Problem

EB : Event Bar
EW : Experiment Wizard

FDC : Fitness Distance Correlation
FL : Fitness Landscape
FLST : Fitness Landscape and Search Trajectory

GA : Genetic Algorithm
GO : Global Optima (a.k.a Global Maxima/Minima)
GUI : Graphical User Interface

HCI : Human Computer Interaction

InitS : Initial Solution
ILS : Iterated Local Search
IWBBA : Integrated White+Black Box Approach

JSSP : Job Shop Scheduling Problem

LABS : Low Autocorrelation Binary Sequence
LO : Local Optima (a.k.a Local Maxima/Minima)
LS : Local Search

MDF : Metaheuristics Development Framework
MH : Metaheuristic(s)
MIC : Metaheuristics International Conference/Marginal Improvement Cost
MKP : Multidimensional Knapsack Problem
MTPP : Military Transport Planning Problem
MS : Management Science

N : Neighborhood
NFL : No Free Lunch
$\mathcal{NP}$: Nondeterministic Polynomial

OR : Operations Research

OV : Objective Value (a.k.a Fitness)

$\mathcal{P}$: Polynomial
PhD : Philosophy Doctor
PS : Problem Specific
PSO : Particle Swarm Optimization
Ptb : Perturbation (ILS)
Ptb-Str : Perturbation Strength (ILS)

QAP : Quadratic Assignment Problem

REM : Reverse Elimination Method
RLD : Run Length Distribution
RTD : Run Time Distribution
Re-TS : Reactive Tabu Search
Ro-TS : Robust Tabu Search

SA : Simulated Annealing/Situation Awareness
SIMRA : Single Instance Multiple Runs Analyzer
SLS : Stochastic Local Search
SC : Search Coverage
ST : Search Trajectory
S-TS : Strict Tabu Search

TempS : Temporary Solution
TermCond : Terminating Condition
TabuM : Tabu Mechanism (TS)
TS : Tabu Search
TSP : Traveling Salesman Problem
TT : Tabu Tenure (TS)

VLSN : Very Large Scale Neighborhood
VRP(TW) : Vehicle Routing Problem (with Time Window)
V-MDF : Visualizer for Metaheuristics Development Framework

w.r.t : with respect to

Bibliography