Books

- Building Decision Support Systems using MiniZinc
  Mark Wallace, Springer, 2020
  - Available printed and online copies from the UniBo library.
- Handbook of Constraint Programming
  F. Rossi, P. van Beek, T. Walsh (eds), Elsevier Science, 2006.
  - Available printed copies from the UniBo library.
  - Some chapters are available online in Virtuale:
    Chapter 1 - Introduction
    Chapter 3 - Constraint Propagation
    Chapter 4 - Backtracking Search Algorithms
    Chapter 7 - Global Constraints
    Chapter 10 - Symmetry in CP
    Chapter 11 – Modelling

Conferences

- Principles and Practice of Constraint Programming (CP)
- Integration of AI and OR Techniques in CP (CP-AI-OR)
- Conference of the Association for the Advancement of AI (AAAI)
- International Joint Conference on Artificial Intelligence (IJCAI)
- European Conference on Artificial Intelligence (ECAI)

All conference proceedings are available via DBLP.

Online Material

- Coursera and Edx online courses
  - Basic Modelling for Discrete Optimization
  - Advanced Modeling for Discrete Optimization
  - Solving Algorithms for Discrete Optimization
  - Discrete Optimization
  - Constraint Programming
- ACP summer schools
- ACP YouTube Channel
  - Research, educational, applications and solvers/systems talks
  - Solvers and systems talks
  - Links to other YouTube channels (CP Conference, CPAIOR conference)

CP Tools

- High level modelling (&search) languages with backend to CP solvers.
- Solvers
  - Often embedded in a programming language via a library:
    - imperative and OO programming (C, C++, Java, Python)
    - functional programming (Objective Caml)
    - logic programming (Prolog-based)

CP Tools

- AIMMS
  - Modeling language with interfaces to CP and MIP solvers (http://www.aimms.com/cp)
- MiniZinc
  - Modeling language with interfaces to CP, ILP, SAT, heuristic search solvers (https://www.minizinc.org/)
- IBM ILOG CPLEX Optimization Studio
  - Modelling language (OPL) with interfaces to CP and ILP solvers (https://www.ibm.com/products/ilog-cplex-optimization-studio)
- PyCSP3
  - Modeling language with interfaces to CP solvers (https://www.pycsp.org)

CP Tools

- Choco
  - Java library (http://choco-solver.org/)
- Eclipse
  - Prolog library (http://eclipseclp.org/)
- SCIP
  - C library for CP and ILP solvers (http://scip.zib.de/)

CP Tools

- Gecode
  - C++ library (https://gecode.github.io)
- Google OR-tools
  - Collection of libraries for C++, Java, Python, .NET (https://developers.google.com/optimization/)
- IBM ILOG CP Optimizer
  - C++ library (https://www.ibm.com/analytics/cplex-cp-optimizer)