

OR2 Videos from 2021-2022 (Prof. Fischetti)

Lesson n.	Topic	Video link
1	Introduction to the OR2 course	https://mediaspace.unipd.it/media/OR2+Lesson+02-mar-2022/1_12j2l9xq
2	Setting up the C project, reading TSPLIB input file.	https://mediaspace.unipd.it/media/OR2+Lesson+02-mar-2022/1_zwsn32ru
3	Implementation of the general setting	https://mediaspace.unipd.it/media/OR2+Lesson+09-mar-2022/1_0o68qb89
4	Constructive heuristics: greedy, extra-mileage, GRASP	https://mediaspace.unipd.it/media/OR2+Lesson+11-mar-2022/1_c5xjkaj7
5	2-OPT move, algorithm comparison through performance	https://mediaspace.unipd.it/media/OR2+Lesson+16-mar-2022/1_3oaeag6p
6	Q&A, code analysis	https://mediaspace.unipd.it/media/OR2+Lesson+23-mar-2022/1_mu9kvhrq
7	Metaheuristics: Tabu Search and VNS	https://mediaspace.unipd.it/media/OR2+Lesson+25-mar-2022/1_9omf1sfh
8	Code analysis	https://mediaspace.unipd.it/media/OR2+Lesson+30-mar-2022/1_rm8na6lp
9	Simulated Annealing and the Genetic Algorithm	https://mediaspace.unipd.it/media/OR2+Lesson+01-apr-2022/1_updq2lgy
10	TSP model in CPLEX	https://mediaspace.unipd.it/media/OR1+Lesson+06-apr-2022/1_12ibf175
11	Q&A about metaheuristics' implementation	https://mediaspace.unipd.it/media/OR2+Lesson+08-apr-2022/1_o0v6x4bu
12	Benders' "loop" method	https://mediaspace.unipd.it/media/Fischetti%27s+classroom/1_s7jebjvx
13	Benders' implementation in Cplex	https://mediaspace.unipd.it/media/OR2+20-apr-2022/1_z8vbu7zl
14	Improved Benders' loop method	https://mediaspace.unipd.it/media/OR2+Lesson+22-apr-2022/1_hay97zvg
15	Advanced Benders' loop implementation	https://mediaspace.unipd.it/media/OR1+Lesson+27-apr-2022/1_d5fbinzq
16	Q&A	https://mediaspace.unipd.it/media/OR2+Lesson+29-apr-2022/1_jglwyuwy
17	Callbacks in CPLEX	https://mediaspace.unipd.it/media/OR2+Lesson+04-may-2022/1_q1y8i7dx
18	Q&A: branch and cut implementation in CPLEX	https://mediaspace.unipd.it/media/OR2+Lesson+06-may-2022/1_m0kcy27a
19	How to use ad-hoc heuristic solutions in CPLEX	https://mediaspace.unipd.it/media/OR2+Lesson+11-may-2022/1_e608rwd5
20	Advanced features	https://mediaspace.unipd.it/media/OR2+Lesson+13-may-2021/1_5vker5kf
21	Matheuristics: hard fixing	https://mediaspace.unipd.it/media/OR2+Lesson+18-may-2022/1_v6xkyauh
22	Local branching	https://mediaspace.unipd.it/media/OR2+Lesson+20-may-2021/1_1yhrkjw5
23	Matheuristics' implementation	https://mediaspace.unipd.it/media/OR2+Lesson+25-may-2022/1_7qj8f9zw
24	Structure of the thesis and exam's rules (part 1)	https://mediaspace.unipd.it/media/OR2+Lesson+27-may-2022+%28part+1+of+2%29/1_x2vw6bqz
25	Structure of the thesis and exam's rules (part 2)	https://mediaspace.unipd.it/media/OR2+Lesson+27-may-2022+%28part+2+of+2%29/1_i9a399fk