

Wednesday, November 28, 2018

Room 5.2 (9:15 – 11:00)

Talk by PhD Andrea Bettinelli (Optit)

«Two applications of Operations Research in the industry»

Abstract:

Optit is an accredited spinoff of UNIBO that develops Decision Support Systems, leveraging on Operations Research and Machine Learning, to help decision makers dealing with business processes that become more complex and dynamic every day.

In this seminar, two applications of Operations Research methods to real-world business cases will be presented: the strategic level planning of district heating networks, and the optimization of truck and container loading. In the first case, the problem is formulated as a Mixed Integer Linear Program; in the second case, an ad hoc metaheuristic method is used to solve the problem.

**Lessons on the utilization of
Package CPLEX will be delivered by
Dr. Alberto Santini on:**

**Tuesday, December 4, 2018
(9:00 - 11:00, Room 1.4)**

**Wednesday, December 5, 2018
(11:00 – 13:00, LAB1 +
14:00 – 16:00, LAB1)**

An additional lesson (Solutions of the Part 2 Exercises) will be delivered on

Wednesday, December 12, 2018

- **from 11:00 to 12:00, Lecture Room 2.8;**
- **from 12:00 to 13:00, Lecture Room 2.9.**

Possible additional lesson:

Discussion on the Solutions of the Part 2 Exercises

From 17:00 to 19:00 (Room 5.5)

Non Compulsory Tests on

PART 2:

Tuesday, December 18, 2018

(10:00 – 12:00, Room 02)

Package CPLEX:

Wednesday, December 19, 2018

(10:00 – 12:00, LAB1)