

# Modeling and control of discrete-event systems

## Introducing

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### Location(s)

 Toulouse

## Description

Modeling and Control of Discrete Event Systems: modeling tools (finite state machines, Petri nets, Statecharts) and associated implementation techniques (PLC, FPGA, real-time target)

## Objectives

At the end of this module, the student should have understood and be able to explain (main concepts):

- Basic principles of discrete-event system modeling tools (Finite State Machines, Statecharts, Petri nets),

- Different techniques for controlling a discrete-event system (FPGA, PLC, real-time target).

The student should be able to:

- model and implement the control of a discrete-event system

## Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

## Practical info

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