

# Agent-based modeling and simulation

 ECTS  
4 crédits

 Composante  
INSA Hauts-de-France, UPHF

## Présentation

### Description

**Goal :** To understand how to model and simulate complex system using an agent-based approach.

**List of subjects to be presented to the students :**

- Introduction to the agent approach
- Agent-Based Modeling and Simulation principles and process
- Agent-Based Modeling and Simulation tools
- Application to transport: autonomous vehicles, traffic modeling with inter-vehicles and smart infrastructure communications