

# AIBT110 – AI certification, robustness and dependability

From the Advanced Master AIBT

(Artificial Intelligence and Business Transformation)



Artificial intelligence is creating new jobs and new ways of working. This is crucial to acquire some basic knowledge about AI and big data in order to lead one's firm and teams through change and transformation challenges.

## Key elements

*Dates:*

**6 - 9 July 2020**

*Duration:*

**28 hours, 4 days**

*For whom:*

**recent graduates, jobseekers and experienced employees**

*Location:*

**ISAE-SUPAERO, Toulouse**

*Course fees: 2300 €*

*Language: English*

## Skills learned

After completing this course, participants will be able to:

- Understand what can and cannot be expected in the perspective of certification or qualification of systems based on AI;
- Know about the main legal initiatives on the subject;
- Understand the major technology trends underlying norms on AI;
- Be able to make links between the usual engineering validation processes performed and their use on AI.

## Prerequisites

- Good knowledge and acceptable practice of major Learning algorithms.

## Learning objectives

*Industrial groups building critical systems are pressed to take benefit from the performance of modern AI. But in the same time they cannot be satisfied with performance only, they need to “open the black box” and understand the content, qualify their systems, anticipate the creation of norms or certification requirements.*

*This module introduces the state of the art on an hyper but very recent field.*

## Practical information and registration

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## **Programme**

- When Learning algorithms face the questions of robustness, interpretability and explainability, certificability: examples of successes and failures;
- Presentation of ongoing reflections on the evolution of norms, especially in the aerospace and automotive industries;
- The human/machine couple in the decision process;
- Are we ready to accept a reduced performance?