

# EDIH S06\_GENERIC TECHNOLOGY TESTING

## VISUAL INSPECTION MAINTENANCE WORKSHOP

Duc Long PHAN

LIST

# Data Analytics in Computer Vision

**A 4-hour hands-on workshop to discover how to create a model for visual inspection and material maintenance based on real-world industrial image data set.**

## **Objectives:**

- Introduction of Computer Vision and its application
- Understand how to implement a predictive visual inspection maintenance model based on real data.
- Understand how to build an AI modelling and a data analytics pipeline

## **Outline/Content**

- Hands-on application Computer Vision and how to EDA
- Hands-on AI modeling (Tensorflow, Transfer Learning, and Yolo8)
- Using Jupyter notebooks

**Date: 11 th July 2024  
9:00 – 13:00**

**Venue: LIST Maison de l'Innovation  
Esch / Belval**

**Duration: 4 hours**

**Price: €1,150**

**Language: EN**

**Min–Max. number of participants: 6 to 12**

**Level requirements:**  
**Some experience in Python or R programming**

**Trainers:**  
**Duc Long Phan**  
**Prune Gautier/Laurence Johansen**

# PLANNING

