



INTERNSHIP –MASTER / ENGINEER DATA SCIENTIST- (M/F)

ANDRITZ Nonwoven part of Pulp & Paper division is looking for highly motivated candidates for our Advanced Visual Analysis program.

Location: France (Montbonnot – 38330)

Time: 2021

ANDRITZ offers a broad and constantly growing range of innovative products and services in the industrial digitalization sector under the brand name Metris,

Helping customers to enhance plant efficiency and profitability

Optimize the use of resources, achieve constant and highest product quality, reduce production downtime

OUR OFFER

- During our 4-6 months internship program, you will be in our technology center (Montbonnot - France) and a member of our Technologist team.
- You will support our R&D projects linked to data analysis and specially all projects with image acquisition & analysis.
- Develop a real-time image acquisition system (hardware/software definition and implementation).
- Create an image library by defining the key components, develop a machine learning algorithm for detection / categorization / recognition.
- Evaluate the tool developed on one of our pilot machines.
- Duration of the internship can be extended if needed
- Salary: As per minimum legal

YOUR MISSION

Our short-term objective is to provide to our customers tools for real-time analysis of his water quality. Your main missions will be:

- 1) Coagulant optimization thanks to image characterization and analysis (Data set creation, online characteristics measurements)
- 2) Water Turbidity prediction by image analysis
- 3) Creation of image libraries (development of the image acquisition program and test on our pilot line)
- 4) Creation of machines learning for Water turbidity prediction and automatic calculation of the coagulation setpoint to have the most efficient filtration with the minimum use of chemicals.
- 5) Models validation on industrial pilot line

YOUR PROFIL

- Master 2, Engineer 3A or equivalent, you are motivated by data management.
- Good knowledges in IT data base management, image analysis, machine learning.
- Python, Anaconda, Tensorflow, Jupyter...
- Good interpersonal skills
- A flexible approach to work and a willingness to take on new challenges
- English spoken, French

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