

# léTI Project : Biophotonic

Driving a piezo-electric component



Picture 1: Piezosystem monted on a microscope objective



Picture 2: Electronic component driving the piezosystem

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– Juliette Rothnemer – Yvan Glory

# How does it work ?

## Montage

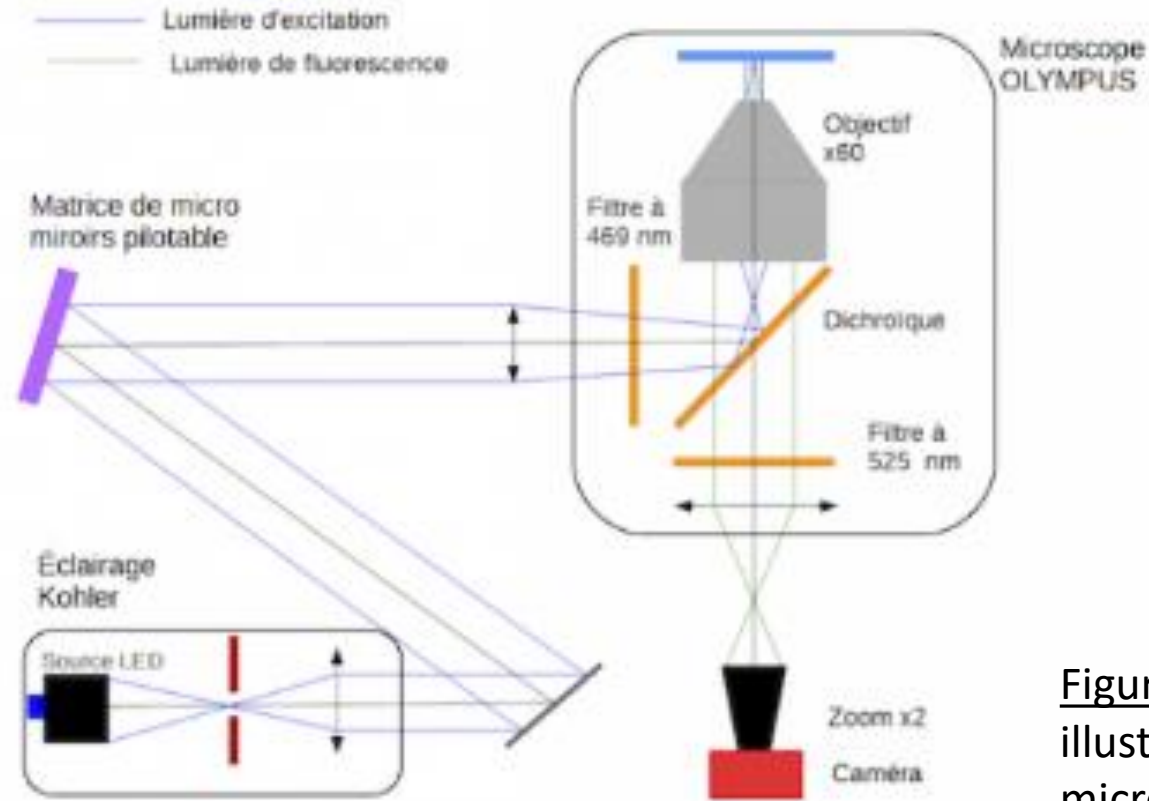
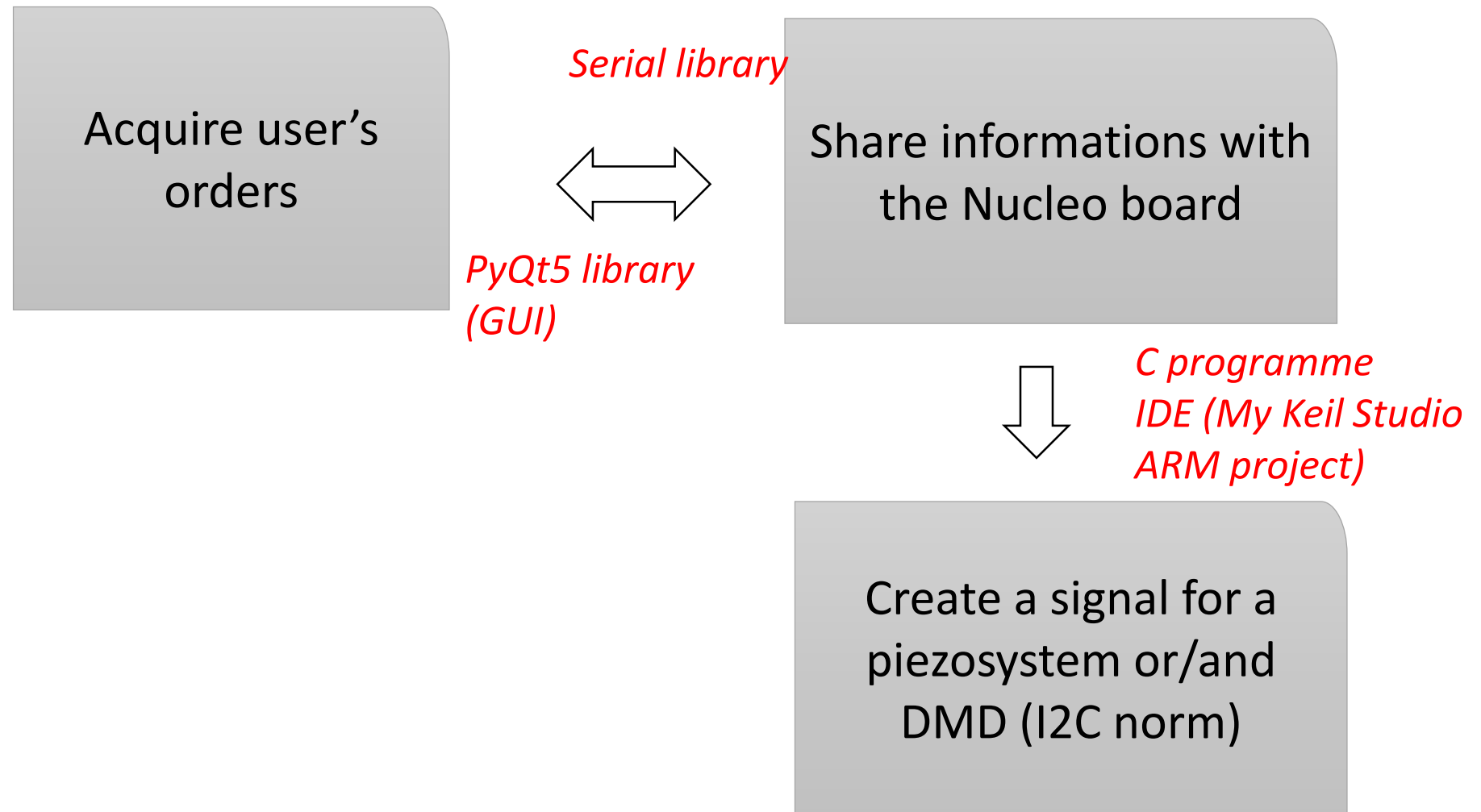


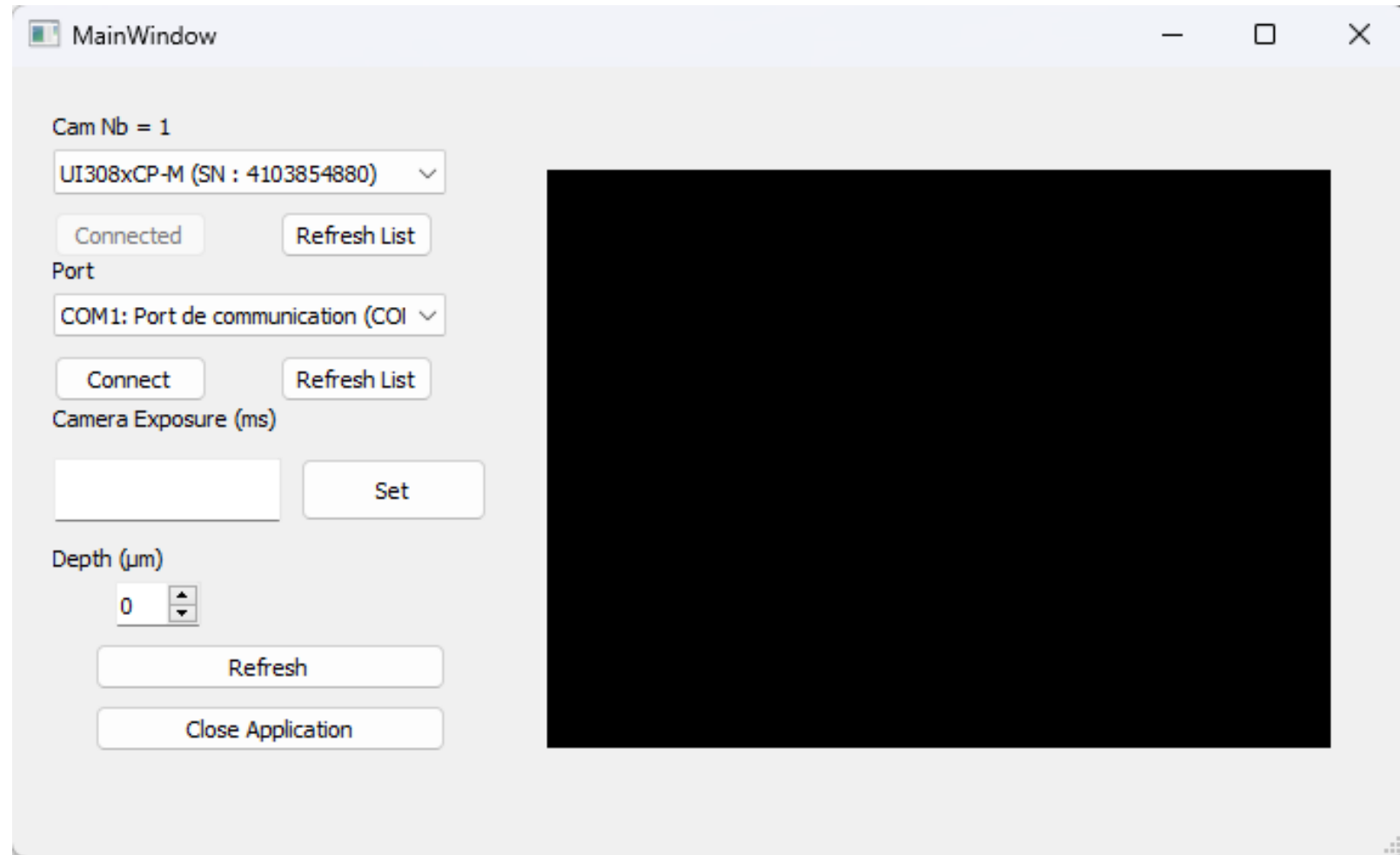
Figure 1: Schéma du montage

Figure 1: Functional illustration of the microscope (from the LENSE)

# Main Objectives and Structure of the project



# Graphical Interface



# Team Organisation

- Ymeng Sun –  
Chen Lin
- Communication  
between  
computer and  
Nucleo board
- Tenzin  
Montlouis
- Design of the  
graphical  
interface
- Juliette Rothnemer  
– Yvan Glory
- Documentation to  
read and to  
produce

# Difficulties / Main improvements

- Graphical interface
- PySide / PyQt -> Qt Designer
- Connecting the serial part to the interface
- Accuracy of the system
- Driving a DMD