

## Lauréats Prix de thèse 2023 de l'IP Paris (par ordre alphabétique)

### **GUERRIER Sterenn**

Department : Information, communications, and electronics

School : Télécom Paris

Laboratory : LTCI

Title of thesis : High bandwidth detection of mechanical stress in optical fibre using coherent detection of Rayleigh scattering

Supervisor : GABET Renaud

### **PARK Junha**

Department : Physics

School : Ecole Polytechnique

Laboratory : LPICM

Title of thesis : Digital multispectral Mueller colposcopy for exploring cervical microstructure in vivo

Supervisor : PIERANGELO Angelo

## Lauréats Prix de thèse 2023 de l'IP Paris par département (par ordre alphabétique)

### **BOYER Marin**

Department : Mathematics

School : Ecole polytechnique

Laboratoire CMAP

Title of thesis : Piecewise affine dynamical systems applied to the performance evaluation of emergency call centers

Supervisor : GAUBERT Stéphane

### **CAMARA Youssouf**

Department : Economics

School : Télécom Paris

Laboratory : CMAP

Title of thesis : Four Essays on Empirical Economics in the Era of High-Frequency Data

Supervisor : BOUNIE David

### **LEROUX Antonin**

Department : Computer Science, Data and AI

School : Ecole polytechnique

Laboratory : LIX

Title of thesis : Quaternion Algebras and isogeny-based cryptography

Supervisor : MORAIN François

### **MOSCATELLI Marco**

Department : Mechanics and Energetics

School : Ecole polytechnique

Title of thesis : Metamaterials for energy harvesting at small scale

Supervisor : MARIGO Jean-Jacques

**TOUSSAINT Camille**

Department : Social Sciences and Management

School : Ecole polytechnique

Laboratory : I3 CRG

Title of thesis : Managing collectively a complex problem on a planetary scale ? The case of space debris

Supervisor : DUMEZ Hervé

**TRICOIRE Maxime**

Department : Chemistry and Processes

School : Ecole polytechnique

Laboratory : LCM

Title of thesis : Divalent lanthanide-induced intermediate valence in heterobimetallic complexes: Impact on transition metal reactivities

Supervisor : NOCTON Grégory

**BO Zhuang**

Department : Biology

School : Ecole polytechnique

Laboratory : LCM

Title of thesis : Fundamental Processes in Flavoprotein Photochemistry

Supervisor : VOS Marten