

**DIRECTOR:** FLORENCE GARRELIE (PU)  
**DEPUTY DIRECTORS:** MARC SEBBAN (PU), AZIZ BOUKENTER (PU)

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## « OPTICS, PHOTONICS & SURFACES » DEPARTMENT A. BOUKENTER (PU)

« FUNCTIONAL MATERIALS &  
SURFACES » TEAM  
Y. JOURLIN (PU)

Nanoparticles	N. Destouches (PU)
Diffraction Gratings	Y. Jourlin (PU)
Magneto-Optics & Magnetic Nanoparticles	F. Royer (PU)
Complex surfaces & HF/RF devices	B. Bayard (PU)

« MATERIALS FOR  
OPTICS &  
PHOTONICS IN  
EXTREME  
RADIATION  
ENVIRONMENTS »  
TEAM  
S. GIRARD (PU)

« LASER-MATTER  
INTERACTION »  
TEAM  
R. STOIAN (DR)

Modeling of laser-matter interaction	T. Itina (DR)
Laser Ablation for materials transfer	F. Bourquard (MC)
Ultrafast Laser processing theory application & transfer	R. Stoian (DR)

TRANSVERSE ACTIVITY IN  
METAMATERIALS / METASURFACES

## « COMPUTER SCIENCE, SECURITY & IMAGE » DEPARTMENT L. BOSSUET (PU)

« IMAGE SCIENCE AND  
COMPUTER VISION »  
TEAM  
T. FOURNEL (PU)

Optical design & image reconstruction	L. Denis (PU)
Characterization & modelling of Material appearance	M. Hébert (PU)
Image analysis & understanding	C. Ducottet (PU)

« DATA INTELLIGENCE »  
TEAM  
A. HABRAD (PU)

Complex Data Analysis	C. Largeron (PU)
Machine Learning  M. Sebban (PU)	R. Emonet (MC HDR)

« SECURE EMBEDDED  
SYSTEMS & HARDWARE  
ARCHITECTURES »  
TEAM  
L. BOSSUET (PU)

TRANSVERSE ACTIVITY IN  
IMAGE PROCESSING AND OPTICAL ENGINEERING

TRANSVERSE ACTIVITY IN  
PHOTONICS / SURFACES ENGINEERING / ARTIFICIAL INTELLIGENCE

JOINT LAB  
**LABH6 (Exail)**  
S. GIRARD (PU)

JOINT LAB  
**LAMCID (HID)**  
N. DESTOUCHES (PU)

JOINT LAB  
**COMETA (HEF-IREFIS)**  
M. DARNON (DR)

JOINT LAB  
**OPERA (ORANO)**  
S. GIRARD (PU)