



Erasmus Mundus Joint Master Degree

## PHOTONICS FOR SECURITY RELIABILITY AND SAFETY

<https://www.master-photonics4security.eu>

# PSRS Industrial Day

## Photonics, a source of innovation in industry

November 23, 2020



3D-OXIDES



micropola  
OPTOELECTRONICS



Online workshop at

Register for free at [master.PSRS@univ-st-etienne.fr](mailto:master.PSRS@univ-st-etienne.fr) to receive the link toward the online workshop



## **Program**

### **Morning**

- 9:00 AM **Introduction by the PSRS team**  
Nathalie Destouches (University Jean Monnet, France)  
Jyrki Saarinen (University of Eastern Finland, Finland)  
Amine Naït Ali (University Paris-Est Créteil, France)  
Carlo Ricciardi (Politecnico di Torino, Italy)
- 9:10 AM **The Play of Photonics in the Security of Thales ID Documents. Company and ID Documents introduction, Rationale for Security Documents, the importance of Visual Security Features**  
Christophe Bousquet, Product Group and R&D Director - Physical Documents Security at **Thales DIS** (France)  
Joseph Leibenguth, Technical & Manufacturing Consulting Support Services **3R-Innov Consulting** (France)
- 10:10 AM **A solution for objects identities involving Physical Unclonable Functions and blockchains**  
Giacomo Benvenuti, CTO at **3D-Oxides SAS** (France) and Founder of ABCD Technology (Switzerland)
- 10:50 AM **Applied laser technologies in the field of passports and ID Cards**  
Stéphane Ayala, Senior Director Engineering | e-Document at **HID Global** (Switzerland )  
Nipun Sharma Project Manager | Innovation R&D at **HID Global CID** (France)
- 11:30 AM **Photonics integration for sensing solutions**  
Jussi Hiltunen, Research Professor, Sensing and Integration at **VTT Technical Research Centre of Finland** (Finland)

## *Afternoon*

1:30 PM ***Photons, from the lab to business***

Georges Kotrotsios, Vice President Marketing and Business Development, Member of Executive Board of **CSEM** (Switzerland)

02:10 PM ***Trustech: a Microfabrication facility***

Laura Boschis CEO at **Trustech** (Italy)

02:50 PM ***Laser sources and opto-electronic devices***

Paolo Sirianni R&D Head of optical department at **Microla** (Italy)

03:30 PM ***Overview of photonic needs for automotive applications***

Thomas Lopez, Research Engineer in photonic and optoelectronic systems, Scientific Direction of **Group PSA** (France)

04:10 PM ***Femtosecond lasers to design surfaces, and industrial challenges***

Pauline Jullian, R&D Engineer at **MANUTECH-USD** (France)

04:40 PM - 05:30 PM ***Round Table: Innovation, greatest challenges, markets***

With the speakers of the day. Animated by the PSRS team