

# “Nanostructures and Photonics” Workshop

## 8th June, 2022

Campus Mirande, Bâtiment Sciences-Mirande  
Dijon, France

10:00-10:20	<b>Coffee Time</b>
10:20 –10:30	<b>Welcome</b> , Alexandre Bouhelier, ICB, UBFC-Dijon <b>Introduction</b> , Michaël Gauthier, FEMTO-ST, UBFC-Besançon (Co-Head of French-Swiss SMYLE Collegium)
10:30 –11:00	<b>3D printed metamaterials</b> Muamer Kadic, Micro-nano sciences & systems Department, FEMTO-ST, UBFC-Besançon
11:00 –11:30	<b>Light-absorption in Nanoantennas for Energy &amp; Photonics Devices</b> Giulia Tagliabue, Laboratory of Nanoscience for Energy Technologies, EPFL-Lausanne
11:30 –12:00	<b>Advanced hybrid plasmonic nano-emitters using smart photopolymer</b> Renaud Bachelot, L2N, UTT-Troyes
12:00	Lunch break
13:45 –14:45	<b>Poster Session &amp; Coffee</b>
14:45 –15:15	<b>Plasmonics and spin-orbit interaction of light</b> Thierry Grosjean, Optics Department, FEMTO-ST, UBFC-Besançon
15:15 –15:45	<b>Coherent frequency conversion using molecular oscillators in plasmonic nanocavities</b> Christophe Galland, Laboratory of Quantum and Nano Optics, EPFL-Lausanne
15:45 –16:15	<b>Nonlinear transfer functions in Nanophotonics: A route towards new ultrafast lasers and artificial intelligence</b> Benoit Cluzel, Photonics Department, ICB, UBFC-Dijon
16:15	<b>Conclusion of Seminar</b>

*Workshop organized in the framework of the French-Swiss SMYLE collegium established between EPFL and members of UBFC and supported by the “Conseil regional de Bourgogne-Franche-Comté”*