

# Journées plénières 2021

28 et 29 juin 2021  
Université de Technologie de Troyes

## Programme

**Date :** Lundi 28 juin 2021

**Lieu :** Amphi M500 – UTT

9.15 – 10.15	Accueil café - croissants
10.15 – 10.30	Anne-Laure BAUDRION et Nordin FELIDJ – Accueil et introduction
<b>Axe 1 : Plasmonique accordable – Chair : Anne-Laure Baudrion</b>	
<b>10.30 – 11.10</b>	<b>Jean-Jacques GREFFET – Antenna surface plasmon emission by inelastic tunneling</b>
11.10 – 11.30	Marion CASTILLA – Colloidal aluminum nanoparticles for UV plasmonic, synthesis and biological applications
11.30 – 11.50	Sébastien FRENKEL – Optical control of plasmonic thermochromic materials
11.50 – 12.10	Fernando GONZALEZ-POSADA – Absorption modulation with semiconductor plasmonic $\mu$ -structures from 1.1 to 2.5 THz
12.10 – 12.30	Florian LAMAZE – Dichroïsme circulaire adaptatif pour la détection
12.30 – 14.00	Déjeuner (Restaurant Universitaire)
<b>Axe 2 : Plasmonique et réactions chimiques – Chair : Leila Boubekeur-Lecaque</b>	
<b>14.00 – 14.40</b>	<b>Claire MANGENEY – New advances in surface functionalization of plasmonic nanoparticles</b>
14.40 – 15.00	Léa GIMENO - Nano-plasmonic catalyst to enhance catalytic reaction kinetics
15.00 – 15.20	Miguel COMESANA-HERMO - Chiral Generation of Hot Carriers for Polarization-Sensitive Plasmonic Photocatalysis
15.20 – 15.50	Pause-café
15.50 – 16.10	Théo GERONIMI JOURDAIN - Experimental evidence of the near-field optical response of hybridized lattice surface plasmon modes
16.10 – 16.30	Shang LI - Attachement of QDs on selected area for hybrid plasmonics
16.30 – 16.50	Marc LAMY DE LA CHAPELLE - Polymérisation radicalaire induite par excitation optique de nanoparticules d'or
<b>16.50 – 17.20</b>	<b>Table ronde</b>
17.20 – 19.20	Session Poster et buffet apéritif

## Programme

**Date :** Mardi 29 juin 2021

**Lieu :** Amphi M500 – UTT

<b>Axe 3 : Plasmonique et transformations physiques – Chair : Marc Lamy De La Chapelle</b>	
09.00 – 09.40	<b>Alexandre BOUHELIER – Controlling the glowing fate of hot electrons</b>
09.40 – 10.00	Georges RASEEV – Metal-Insulator-Metal thin film stack: flux enhancement due to coupling of surface plasmon polariton with wave guide modes
10.00 – 10.20	Jérôme PLAIN – Effects of the order-to-disorder transition on plasmonic metasurfaces
10.20 – 10.40	Nathalie DESTOUCHES – Optical properties and applications of laser-induced random plasmonic metasurfaces
10.40 – 11.00	Thomas SIMON – Band-edge emission enhancement in sputtered ZnO thin films with aluminum nanoparticles arrays
11.00 – 11.30	Pause-Café
<b>Axe 4 : Vers des dispositifs plasmoniques intégrés – Chair : Nordin Felidj</b>	
11 :30 – 12.10	<b>Nadia DJAKER – Gold nanoparticles and biomolecules interactions: Characterization by Scattering Correlation Spectroscopy (SCS)</b>
12.10 – 12.30	Melissa NAJEM – Wide-Multimodal infrared vibrational spectroscopy from 1.1 to 6.5 $\mu\text{m}$ with Aluminum Bowties
12.30 – 14.00	Déjeuner (Restaurant Universitaire)
14.00 – 14.20	Agnès TEMPEZ – TERS Characterization of Functionalized Gold Nanostructures for Nano-scale Biosensing
14.20 – 14.40	Julien GUISE – Photogenerated metasurface-based THz Modulator
14.40 – 15.00	Florian DELL'OVA – Nonlinear plasmonic cavities for Boolean calculations
15.00 – 15.15	Conclusion et clôture des Journées plénières 2021

### Financeurs :

