

Workshop Materials for Optics and Optoelectronics

8, 9 June 2016, Gif sur Yvette



8 juin

8h 45 : Accueil / Installation poster

9 h 15 : Présentation journée François Ozanam (deputy coordinator CHARM3AT, PMC)

Session : Optoelectronics / Chairman : Yves Dumont

9 h 30 Conf **Botti Silvana** (Institut für Festkörpertheorie und -optik, Jena)
Predicting new materials and their properties with supercomputing.

10h 30 Pause café / Séance poster (30 min)

11h 00 : CO 1 **Poumellec Bertrand** (ICMMO)
Femtosecond laser direct writing of optical functions in glasses for photonics.

11h 20 : CO 2 **Pansu Robert** (PPSM)
On the temperature dependence of the quenching in TADF solids

11h 40 : CO 3 **Miomandre Fabien** (PPSM)
Electrochemical switching of luminescence on plasmonic substrates.

12h 00 Pause déjeuner / Séance poster

Session : Luminescent Materials / Chairman : Gael Zucchi

14h 00 Conf **Venkatramu Vemula** (Yogi Vemana University – Kadapa - India)
Rare-earth luminescence in nanocrystalline garnets at ambient and extreme conditions

15h 00 : CO 4 **CHAUDAN Elodie** (PMC)
Polarized luminescence of anisotropic nanoparticles and applications

15h 20 : CO 5 **DELEPORTE Emmanuelle** (Laboratoire Aimé Cotton)
2-D perovskite activation with an organic luminophore

15h 40 : CO 6 **HUITOREL Brendan** (PMC)
PHOTOACTIVE COPPER IODIDE CLUSTERS

16 h : CO 7 **Desmarchelier Alaric** (iBiTEC-S, SCBM)
Design and synthesis of new circularly polarized thermally activated delayed fluorescence emitters

16h 20 Pause café (30 min)

16h50 Conf **Van der Kolk Erik** (TU Delft)
High-efficiency luminescent solar concentrators for building integrated PV application based on Tm²⁺ doped halides.

17h 50 fin de la journée

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Session : Optoelectronics / Chairman : Thomas Devic

- 9 h 00 Conf **Dautel Olivier** (Institut Charles Gerhardt)
From the control of the supramolecular organization of π -conjugated chromophores to the control of their optoelectronic properties.
- 10h 00 Pause café / Séance poster (30 min)
- 10h 30 : CO 8 **CAO Jing** (ICMMO)
Modifications in multicomponent glass by femtosecond laser direct writing: morphology, crystallization, and nanostructure
- 10h 50 : CO 9 **Chikoidze Ekaterina** (GEMaC)
Sn doped alpha-Ga₂O₃: optical and electro-magnetic properties
- 11h 10 : CO 10 **Garrot Damien** (GEMaC)
Photophysics of organo-lead tri-halide perovskites single crystals
- 11h 30 : CO 11 **Montanaro Alberto** (Thales research and technology)
Optoelectronic mixing based on CVD graphene
- 11h 50 : CO 12 **Dindault Chloé** (LPICM)
Hybrid perovskite solar cells: solvent engineering and charge transport materials study.
- 12h 10 Pause déjeuner / Séance poster (2h)

Session : Photo-switching / Chairman : isabelle Maurin

- 14h 00 Conf **Browne Wesley** (University of Groningen)
Photo- and Electrochemical switching at interfaces; challenges and opportunities
- 15h 00 : CO 13 **Laurent Guillaume** (PPSM)
Surface plasmon coupling with photochromic film in hybrid structures
- 15h 20 : CO 14 **Oms Olivier** (ILV)
Polyoxometalate/Spiropyran-Based Switches: From Fluorescent Molecules to Vesicles
- 15h 40 : CO 15 **Klaes Stefan** (PMC)
Photo isomerization of organic photochromes on silicon surfaces
- 16h 00 Pause café (30 min)
- 16h30 Conf **Molnar Gabor** (LCC Toulouse)
Spin crossover nano-objects: finite size effects and potential applications
- 17h 30 fin de la journée