

Thursday 24th October 2019 – CPE			
08:45 – 09:15	Welcome coffee		
09:15 – 09:30	Welcoming word – Catherine Bru-Chevallier		
09:30 – 10:30	Invited speaker	<b>Loïc Sevrin</b> PhD INL 2016 – PDG et co-fondateur de Piwio	
10:30 – 10:45	Y2 flash talks	Asmae Tafraouti, Thomas Nassiet, Maxime Plourde, Nicolas De Pinho Ferreira	
10:45 – 11:15	Coffee break + posters (30 minutes)		
11:15 – 12:00	Y3 talks	<b>Nelly Moulin</b>	High voltage solar cells based on nanostructured ultra-thin Silicon
		<b>Xiao Li</b>	High-efficiency Si solar cell including tunnel junction for tandem photovoltaic cells
		<b>Eirini Sarelli</b>	Nanophotonic structures for controlling the visible emission of nano-phosphores
	Questions		
12:00 – 14:00	Lunch break + posters		
14:00 – 14:45	Invited speaker	<b>Guillaume Laffite</b> PhD INL 2012 – Ingénieur responsable de la plateforme de l'Institut PG de Gennes	
14:45 – 15:00	Y2 flash talks	Mayeul Cantan, Sergio González Casal, Hugo Freyermuth, Maxime Benchemoul	
15:00 – 15:30	Coffee break + posters (30 minutes)		
15:30 – 16:30	Y3 talks	<b>Adil Brik</b>	Hierarchical design methodology for analog and heterogeneous system
		<b>Prabir Mahato</b>	CBRAM Memory Devices using an ecofriendly Solid Polymer Electrolyte for flexible electronic applications
		<b>Thomas Dalleau</b>	Conception of an image sensor : Optimisation of a vertical photogate pixel
	Questions		
16:30 – 16:45	Closing talk and end of day		

Friday 25 <sup>th</sup> October 2019 – ECL			
08:45 – 09:15	Welcome coffee		
09:15 – 10:15	Presentations	Rémi Briche	Exploration of cavity modes in rolled-up 2D photonic crystal membranes as “photon cages”
		Nguyen Ha My Dang	Dispersion engineering of room temperature exciton polaritons with perovskite photonic crystals
		Dong Han	Thermoelectric epitaxial oxide films integrated on silicon for on-chip thermal management
	Questions		
10:15 – 10:30	Y2 flash talks	Rémi Armand, Thomas Dursap, Younes Boussadi, Arnaud Poittevin	
10:30 – 11:00	Coffee break + posters (30 minutes)		
11:00 – 12:00	Y3 talks	Gabriel Jobert	Designing optical particulate matter sensors for personal air quality monitoring: nano-photonic and refractive solutions
		Alberto Della Torre	Mid-infrared supercontinuum sources integrated in germanium-based nonlinear platforms
		Pierre Demongodin	Saturable absorption of nonlinear graphene coated Si <sub>3</sub> N <sub>4</sub> waveguides
	Questions		
12:00 – 13:30	Lunch break + posters		
13:30 – 14:30	Y3 talks	Jérémy Lhuillier	Tunable photonic metasurfaces based on graphene/semiconductor hybrid structures
		Oleksandr Synhaivskyi	Electrical and piezoelectrical characterization of single ZnO nanowire for application in flexible pressure sensors adapted for biological media
		Rachaël Taitt	Synthesis of core-shell LiNbO <sub>3</sub> @Au nanoparticles for SHG bio-imaging and cancer photothermal therapy
	Questions		
14:30 – 14:45	Y2 flash talks	Valentin Giglia, Solène Lecot, Zihua Yang, Lucie Descamps	
14:45 – 15:15	Coffee break + posters (30 minutes)		
15:15 – 15:30	Closing talk and end of day + Best presentation/poster awards		