

mercredi 6 novembre		
8h30	Accueil des participants	
8h50	Session d'ouverture - Présentation des plateformes PCMP et CMNF	
9h10	Quantum Heat Machines and Thermodynamics in the 21st Century	Fabrizio Cleri
10h	Pause	
10h20	Emerging energy storage miniaturized devices based on thin film technology	Christophe Lethien
	Simulations of electrochemical systems with flexible electrode models	Waysenson Zacharie
	Atomistic Insights into Hydrazine Hydrate Oxidation Reaction on Nickel Catalysts: The Role of Co-Adsorbed Species in Bond Breaking Selectivity	Strugovshchikov Evgenii
	Silicon Based Suspended Thermometry Device Fabrication for Study of Phonon Transport Phenomena in the Ballistic and Coherent Regimes	Canosa Diaz Jon
	Thermal boundary conductances measurements of metal/semiconductor junction by means of photothermal radiometry	Quentin Pompidou
12h20	Buffet	
13h50	Thermoelectric PEDOT:PSS polymer composites embedded with flower-like quantum dot nanostructures	Michael Depriester
14h40	Présentations flash posters	
14h50	Local thermal measurements and scanning thermal microscopy	Pierre-Olivier Chapuis
	ELENA project – electrical nanoscale metrology in industry: key outcomes	François Piquemal
15h50	Pause	
16h10	Approche inverse pour l'analyse thermique de nanomatériaux via microscopie Å sonde locale	Charaoui Nathaly
	Temperature measurement in semitransparent media using photothermal heterodyne imaging	Letessier Jordan
	Study and modelling phonon transport in SiGe and InGaAs alloys	Isibert Nkenfack
	Understanding Heat Transport across Functionalized Silica-Water Interface: Insights from Molecular Dynamics Simulations	Mandrolko Viktor
18h00	Exposition posters et Cocktail de Bienvenue	

jeudi 7 novembre		
9h00	Electron photoemission into electrolyte from nanostructured metals	Alexander Yu. Petrov
9h50	Pause	
10h10	Simulation des mécanismes de changement de phase dans des mémoires PCM avec la méthode multi-champ de phase couplée à un solveur électrothermique.	Olga Cueto
	Focusing of heat flux radiated by magneto-optical nanoemitters in the presence of a magnetic-field	Messina Riccardo
	Enhanced thermal conductance at interfaces between gold and amorphous silicon and between gold and amorphous silica	Julien El-hajj
	Temperature-Dependent Phonon Energies and Lifetimes in Single and Few-Layer Graphene using Molecular Dynamics	Poulos Markos
	Domain-wall induced decrease in thermal conductivity with increasing grain size in ferroelectric ceramics	Nataf Guillaume
12h10	Buffet	
13h30	Présentation de l'écosystème R&D Lillois	
	Horiba	Lionel Le Bihan
	Institut Chevreul	Isabelle de Waele
	CEA tech	Olivier Ducloux
14h30	Visites plateformes PCMP ou CMNF	
16h00	Pause	
16h20	<p>Remise du prix de thèse 2024 à Paul Dalla-Valle, « Modélisation et conception d'un système de craquage solaire de l'eau basé sur des hétérojonctions de van der Walls » Présentation par Nicolas Cavassilas</p>	
17h20-18h20	Table ronde opportunités de financement et montage de projets collaboratifs Périmètre des sections CoNRS	
20h	Banquet à La Péniche « Aristote »	

vendredi 8 novembre		
8h30	Planar-type nanostructured Si thermoelectric energy harvester	Masahiro Nomura
9h20	Présentation MC2	Christophe Gaquière
9h40	Pause	
10h00	Conditioning systems for triboelectric nanogenerators	Philippe Basset
	Occurrence of the collective Ziman limit of heat transport in cubic semiconductors: scattering channels and size effects	Sjakste Jelena
	Thermal properties of 3C-SiC thin layer used to improve heat dissipation in GaN based HEMTs	Lesecq Marie
	Boosting Organic Solar Cell Performance via Metalloporphyrin Encapsulation: Investigating Charge Transfer and Fermi Level Shifts in Single-Walled Carbon Nanotubes	El Fatimy Anass
	Lattice Thermal Conductivity of Single Polymer Chains from First-principles Including Quantum and Anharmonic Effects	Li Shouhang
	Remarkable Enhancement of Thermoelectric Properties of Conjugated Polymers by Suppressing Dopant-Induced Disorder	Wang Suhao
12h20	Clôture de journées plénières	
12h20	Buffet	
14h00	Visites plateformes PCMP, CMNF, MC2 ou Institut Chevreul	
	Fin de l'évènement – départ des participants	