

Programme de la Journée Scientifique 2023 du Labex CaPPA

Vendredi 10 mars 2023

Amphithéâtre Pascal
Cité Scientifique, IMT Nord Europe
Villeneuve d'Ascq

8:30-9:00	Accueil - Café
9:00-9:25	Introduction – Point d'avancement du projet CaPPA.
9:30-10:45	Synthèse des activités scientifiques 2022 (1^{ière} partie) *
9:30-9:55	WP6 : "Molecular properties in the linear response regime and beyond with relativistic equation-of-motion coupled-cluster", <i>Xiang Yuan</i>
9:55-10:20	WP4 : "Multi-year datasets of PM1 chemical composition and organic aerosol sources in different French urban and suburban areas", <i>Hasna Chebaicheb</i>
10:20-10:45	WP3 : "Aerosol hygroscopic growth study from synergy between Mie-Raman-Fluorescence Lidar and Microwave Radiometer", <i>Robin Miri</i>
10:45-11:00	Pause
11:00-11:30	Poster flash (liste en page 2)
11:30-12:15	Session Poster
12:15-13:00	Buffet
13:00-13:45	Café - Posters
13:45-15:00	Synthèse des activités scientifiques 2022 (2^{ième} partie) *
13:45-14:10	WP2 : "Aerosols characterization: from laboratory to remote sensing", <i>Hervé Herbin</i>
14:10-14:35	WP1 : "Measurement of ROx radicals in the free atmosphere", <i>Nesrine Shamas, Ghoufrane Abichou</i>
14:35-15:00	WP5 : "Was 2020 an ideal or challenging year for studying aerosol-cloud interaction? » <i>Athulya Saiprakash</i>
15:15-16:00	Assemblée générale: discussion ouverte autour des projets futurs (> 2024) dans le cadre de l'Appel à Manifestation d'Intérêt <i>Cross Disciplinary Program</i> (CDP) lancé par ULille.
16:00-16:30	Posters - Café
16:30	Clôture de la journée

* Découpage par WP : bilan 2022 par les WPs leaders (5'), présentation scientifique (15'), questions (5')



Liste des posters:

- P1 : " Influence of Soft and Hard Donors on the Relative Stabilities of Pa^{5+} and PaO^{3+} : A Computational Study "
Tamara SHAABAN
- P2 : "Molecular structures and thermochemical properties for selenium-containing species of atmospheric interest "
Luna CARTAYRADE
- P3 : "Absolute Absorption Cross Section of $\text{C}_2\text{H}_5\text{O}_2$ Radicals and Kinetic of its Self-Reaction "
Sabah MOSTAFA
- P4 : "Investigation in the atmospheric simulation chamber CHARME of the ozonolysis of prenil, a VOC used as a biofuel "
Reem AL MAWLA
- P5 : "Assessment and Apportionment of Sources at the Port Site of Dunkirk during the PIRATE/SHIPAIR campaign "
Vishnu MURARI
- P6 : "Evolution of atmospheric particulate pollution and surface solar irradiance in North of France over the period 2010-2020"
Gabriel CHESNOIU
- P7 : " Insight into the conversion of SO_2 to sulphate aerosols in volcanic plumes from the joint analysis of hyperspectral OMI and multi-angular polarimetric POLDER satellite observations "
Smita PANDA
- P8 : " Constrain aerosol absorption from multi-angular polarimetric remote sensing: Emission, Absorption, Direct Radiative Forcing "
Cheng CHEN
- P9 : " Unravelling the role of surface complexation in the isotopic fractionation of Fe aerosols "
Cecilia G. PECH
- P10 : " Toward a molecular level understanding of heterogeneous processes at atmospheric aerosol surfaces "
Rawan ABOUHAI DAR