

COMMUNICATIONS ORALES DANS LES CONFERENCES (REMERCIANT CLIMIBIO)

2018

Sur invitation

1. LO GUIDICE J-M, SALEH Y., ANThERIEU S., DUSAUTOIR R., SOTTY J., ALLEMAN L.Y., PERDRIX E., DUBOT P., PLATEL A., NESSLANY F., GARÇON G. Impact pulmonaire de l'exposition chronique aux particules ultrafines (PUF) chez la souris. 2ème Rencontre régionale Pollution Santé Longévité, 19 sep 2018, Lille, France.
2. SALEH Y., ANThERIEU S., DUSAUTOIR R., SOTTY J., ALLEMAN L.Y., PERDRIX E., DUBOT P., PLATEL A., NESSLANY F., GARÇON G., LO-GUIDICE J-M. Etude de la pathogénicité pulmonaire de la pollution particulaire ultrafine. Expositions professionnelles ou environnementales et risques de cancer. Restitution du programme national de recherche environnement santé travail et du plan Cancer ; ANSES, 2 oct 2108, Paris, France
3. Justine Criquet. Passive samplers for surface water and groundwater monitoring. Eawag, Dübendorf, Switzerland, 10 Sept 2018. Séminaire invité.
4. DESGROUX P., BETRANCOURT C., MERCIER X., Development of Highly Sensitive Quantitative Measurements of Nascent Soot Particles in Flames by Coupling Cavity-ring-down Extinction and Laser Induced Incandescence for Improving the Understanding of Soot Nucleation Process, Laser Applications to Chemical, Security and Environmental Analysis (LACSEA), Orlando, USA, 25-28 June 2018
5. C. PIRIM, R. IKHENZAENE, J. A. NOBLE, Y. CARPENTIER, C. IRIMIEA, C. FOCSA, B CHAZALLON, "Étude micro-Raman de la formation et morphologie de cristaux de glace sur des particules de suies et substrats de référence", Atelier « Réactivité Hétérogène et Processus de Nucléation dans les Milieux Atmosphériques, Astrochimiques et en Combustion », Villeneuve d'Ascq, France, 31 mai – 1 juin 2018
6. B. CHAZALLON, Gas storage in clathrate hydrates: CO2 separation from a binary gas mixture investigated by in-situ Raman spectroscopy, First Workshop on sustainable Energies and Neutron Scattering, 30 June-1st July 2016, Bordeaux
7. RÉAL F., VALLET V., BOUCHAFRA Y., GOMES A.S.P., Investigation of thermodynamics properties of gaseous plutonium oxides through a deep dive into electronic structure, Journée de la solvatation, Oct 2018, Villeneuve d'Ascq, France. 2018.
8. KERVAZO S., RÉAL F., VIROT F., KNECHT S., GOMES A.S.P, VALLET V. The unusual solution behavior of ceric ammonium nitrate (CAN), 10th International Conference on f-Elements (ICFE-10), Sep 2018, Lausanne, Switzerland. 2018.
9. RÉAL F., ACHER E., MASELLA M., VALLET V., Quantum and classical approaches to probe the structural, dynamical and hydration properties of tetravalent actinide elements. 255th ACS National Meeting, Mar 2018, New Orleans, United States. 2018.

10. KOPEC S., MARTINEZ-NUÑEZ, E., SOTO J., PELAEZ D., vdW-TSSCDS: An automated procedure for the computation of stationary points on intermolecular potential energy surfaces, GDR THÉMS, Dijon (France), 2018.
11. S. SAUVAGE, A. BORBON, V. GROS2, C. AFIF3, T. SALAMEH, A. WAKED, K. LIOUSSE, C. DELON, C. JAMBERT, F. OZTURK, N. LOCOGE, J. SCIARE, C. KALOGRIDIS, V. MICHOU, C. DEBEVEC, A. PANOPOULOU, E. LIAKAKOU, N. MIHALOPOULOS, F. DULAC. And al., Assessing anthropogenic and natural source contributions to particulate and gaseous air quality over the Mediterranean basin, EGU General Assembly 2018, Vienna, Austria, April 8–13, 2018
12. S. SAUVAGE, C. DEBEVEC, N. LOCOGE, T. SALAMEH, T. LEONARDIS, V. GAUDION, L. DEPELCHIN, V. GROS, B. BONSANG, R. SARDA-ESTEVE, D. BAISNEE, K. SELLEGRI, J. SCIARE, M. VREKOUSSIS, M. PIKRIDAS, C. SAVVIDES, Origin and variability of volatile organic compounds observed at an Eastern Mediterranean background site (Cyprus) , General assembly of ACTRIS2 Project, Nafplio, Greece, April 17-19, 2018
13. WAKED, A. BOURIN, V. MICHOU, L. ALLEMAN, S. SAUVAGE, V. RIFFAULT, T. DELAUNAY, S. VERMEESCH, E. PERDRIX, Potential sources of PM10 impacting the Hauts-de-France region over a 5-year period (2009-2013) identified by receptor modeling: Influence of precipitation, air mass altitude, length of backward trajectories and the use of a weighting function, Air Quality 2018 : 11th International Conference on Air Quality – Science and Application, Barcelona, Spain, March 12-16, 2018
14. X. WANG, M. ROMANIAS, F. THEVENET, A. ROUSSEAU, Catalytic uptake of O3 onto natural Gobi dust: kinetics and mechanism , Conference On Cold Plasma Sources and Applications / COPSA 2018 , Ypres, Belgique, November 18-23, 2018
15. SCHMITT G., FRANCHOMME M., 2018, Réseau écologique et aménagement du territoire : modélisation et aide à la décision dans un espace particulièrement fragmenté du Nord de la France. Congrès ARCUS-E2D2 : L'Environnement à travers les sciences, 9-11 avril 2018, Université Mohammed V, Rabat (Maroc).
16. Roucou, A., Dhont, G., Cuisset, A., Martin-Drumel, M.A., Thorwirth, S., Fontanari, D., Meerts, W. L.« High resolution study of the n2 and n5 rovibrational fundamental bands of thionyl chloride: interplay of an evolutionary algorithm and a line-by-line analysis » École doctorale thématique METAMORPHOSE, 23 Mai 2018, Université Catholique de Louvain, Belgique.
17. Roucou, A., Mouret, G., Cuisset, A.« Analysis of rotationally dense high-resolution spectra of molecules in gas phase for environmental and defense applications »Séminaire, 6 Mars 2018, Université de Kassel, Allemagne
18. A. Cuisset« High-resolution gas phase THz/Far-IR spectroscopy using electronic, optoelectronic and synchrotron sources »GDR NanoTeraMIR, 29-31 mai 2018, Montpellier, France
19. A. Cuisset« Analysis of very congested spectra in the mm-wave domain for environmental and defense applications »AMOC (Anharmonicity in Medium-Sized Molecules and Clusters) 2018, Budapest, Hongrie, April 16-19, 2018
20. A. Cuisset« High-resolution gas phase THz/FIR spectroscopy using electronic, optoelectronic and synchrotron sources »8th international workshop on THz technology and applications, Kaiserslautern, Allemagne, March 20th-21st, 2018

21. R. Bocquet, D. Fontanari, C. Bray, G. Mouret, A. Cuisset, G. Dhont, K. Hickson and F. Hindle "Modelisation of a gas phase polarization induced by a 200 GHz chirped pulse" 3rd International Conference "Terahertz and Microwave Radiation: Generation, Detection and Applications" (TERA-2018). Nizhny Novgorod, Russia, October 22-25, 2018
22. Beaugrand G. Understanding the effects of climate change on biological systems. L4 Anniversary Workshop. Plymouth. Octobre 2018. Keynote lecture.

En tant que participant.e

23. SHEE A. SAUE T., VISSCHER L., GOMES A.S.P., Electronic states of (ultra) heavy halogen species with four-component based equation of motion coupled cluster methods, MESM2018 Molecular Electronic Structure, Aug 2018, Metz, France. 2018.
24. PONT F., MOLLE A., RADWAN E., HALLER A., PELÁEZ D., LANGKABEL F. BANDE, A. Energy transfer among electronic systems: A roadmap to ICEC and the quest for more dimensions. High Dimensional Quantum Dynamics (HDQD), Aug 2018, Lille, France. 2018.
25. MICHOUILLER E., TOUBIN E., SIMON A., PAHs adsorbed on interstellar ice: Structures, energetics and IR spectra from a multi-method theoretical study, 256th ACS National Meeting, Aug 2018, Boston, United States. 2018.
26. FOTSING-KWETCHE C., TOUBIN C., DUFLOT D., "Combining Quantum Chemistry with Classical Molecular Dynamics for the theoretical study of chlorine radical reactivity at the surface of a fatty acid aerosol". IMAMPC 2018, 9th International Meeting on Atomic and Molecular Physics and Chemistry ", Berlin, Allemagne, 5 – 8 juin 2018.
27. FOTSING KWETCHE C.R., TOUBIN C., DUFLOT D., Combining quantum chemistry with classical molecular dynamics for the theoretical study of radical reactivity at the surface of organic aerosols, 256th ACS National Meeting, Aug 2018, Boston, United States. 2018.
28. FOTSING KWETCHE C.R., TOUBIN C., DUFLOT D., Combining quantum chemistry with classical molecular dynamics for the theoretical study of radical reactivity at the surface of organic aerosols, 25th International Symposium on Gas Kinetics and Related Phenomena, Jul 2018, Lille, France. 2018.
29. KERVAZO S., RÉAL F., VIROT F., KNECHT S., GOMES A.S.P., VALLET V., Investigation of thermodynamics properties of gaseous plutonium oxides through a deep dive into electronic structure, Strasbourg satellite meeting to the 16th ICQC: Strong correlation in electronic structure theory, Jun 2018, Strasbourg, France. 2018.
30. ACHER E., MASELLA M., VALLET V., RÉAL F., Probing the properties of the tetravalent actinide series in aqueous phase from atomistic simulations, 1res Journées Scientifiques du GDR 2035 SolvATE, May 2018, Nancy, France. 2018.
31. HALBERT L., OLEJNICZAK M., VALLET V., GOMES, A.S.P., Solvent effects on NMR shielding of MoO₄²⁻ via relativistic Frozen Density Embedding, 1res Journées Scientifiques du GDR 2035 SolvATE, May 2018, Nancy, France. 2018.
32. BOUCHAFRA Y., SHEE A., RÉAL F., VALLET V., GOMES A.S.P., Predicting solvent effects on the photoelectron spectra of halide ions with WFT-in-DFT embedding, 1res Journées Scientifiques du GDR 2035 SolvATE, May 2018, Nancy, France. 2018.

33. ROOSE A., TOUBIN C., DUSANTER S., RIFFAULT V., DUFLOT D., "Experimental and theoretical investigation of HO₂ sticking on dicarboxylic acid aerosols" "Towards a Molecular Understanding of Atmospheric Aerosols ", Bad Honnef, Allemagne, 27 – 31 août 2018.
34. FOTSING-KWETCHE C., TOUBIN C., DUFLOT D., "Approche théorique de la réactivité des aérosols". Atelier commun GDR EMIE & SUIE Réactivité Hétérogène et Processus de Nucléation dans les Milieux Atmosphériques, Astrochimiques et en Combustion", Lille, France, 31 mai – 1er juin 2018.
35. CACCIANI P., COSLEOU J., MAMMEZ M.H. and CERMAK P., Laser spectroscopy of the deuterated isotopologues of ammonia (ND₃, ND₂H, NH₂D), HRMS – Bilbao 3-7 september 2018
36. CACCIANI P., COSLEOU J., MAMMEZ M.H. and CERMAK P., Laser Spectroscopy of the deuterated isotopologues of ammonia, Journées de Spectroscopie Moléculaire (JSM) Lyon 28-30 mai 2018
37. BTEICH S., GOUBET M., HUET T. R., PIRALI O., SOULARD P., ASSELIN P., GEORGES R., THE JET-COOLED HIGH-RESOLUTION FAR-IR SPECTRUM OF FORMIC ACID CYCLIC DIMER, ISMS 2018 (University of Illinois at Urbana-Champaign, USA).
38. CHRAYTEH M., SAVOIA A., DRÉAN P., HUET T. R., STRUCTURE OF MICROSOLVATED VERBENONE DETERMINED BY MICROWAVE FOURIER TRANSFORM SPECTROSCOPY AND QUANTUM CHEMICAL CALCULATIONS, ISMS 2018 (University of Illinois at Urbana-Champaign, USA).
39. NEEMAN E. M., HUET T. R., ISOTOPIC SUBSTITUTIONS UNVEILED THE IDENTIFICATION OF THE MORE STABLE CONFORMER OF FENCHOL AND OF ITS WATER COMPLEX, ISMS 2018 (University of Illinois at Urbana-Champaign, USA).
40. SOTTY J., GARÇON G., DENAYER F-O., ALLEMAN L.Y., PERDRIX. E., DUBOT P., LO-GUIDICE J-M., CANIVET L. Effects of repeated exposures to fine particles (PM_{0.18-2.5}) and ultrafine particles (PM_{0.18}) on inflammatory chronic lung diseases exacerbation. 18ème Journée André Verbert, 13 sep 2018, Lille, France.
41. Camille Gaulier, Virginie Callipel, Justine Stourbe, Lesven Ludovic, Gabriel Billon. The leaching of two Northern France slag heaps: diagnosis of the surrounding aquatic environment and impact assessment. Journées Nord-Ouest Européennes des Jeunes Chercheurs, Jun 2018, Villeneuve d'Ascq, France. <hal-01889288>
42. Cécilia Falantin, Justine Criquet, Sébastien Allard. Degradation of iopromide by the UV-chlorine process. Ozone and Advanced oxidation solutions for pollutants of emerging concern to the water and the environment, Sep 2018, Lausanne, Switzerland. <hal-01917133>
43. Diksha Jani Thaviligadu, Aurélien Moncomble, Jean-Paul Cornard. Complexation des cations zinc, manganèse et calcium par des flavonols. Rencontres des Chimistes Théoriciens Francophones 2018, Oct 2018, Toulouse, France. <hal-01909714>
44. Diksha Jani Thaviligadu, Aurélien Moncomble, Jean-Paul Cornard. Primary studies of the excited states of polycyclic aromatic hydrocarbons to decipher dual fluorescence. Journées Nord Ouest Européennes des Jeunes Chercheurs 2018, Jun 2018, Villeneuve d'Ascq, France. <hal-01909711>

45. Fabio Francescangeli, Mélanie Portela, Eric Armynot Du Chatelet, Billon Gabriel, Thorbjorn Joest Andersen, et al.. Benthic foraminifera and historical pictures as tools to monitor the recent landscape evolution of estuarine areas: a case study from the Canche Estuary (eastern English Channel, France). RST 2018, Oct 2018, Lille, France. <hal-01904790>
46. Gabriel Billon, Pierre-Jean Superville, Anastasia Ivanovsky, J. Prygiel. Diel cycles of reduced manganese and their seasonal variability in the Marque River. EGU, Apr 2018, Vienne, Austria. <hal-01889236>
47. Guillaume Trommetter, Dumoulin David, Ludovic Lesven, Gabriel Billon. Développement analytique et élaboration de capteurs passifs pour l'étude des platinoïdes dans l'environnement. Journées Nord-Ouest Européennes des Jeunes Chercheurs, Jun 2018, Villeneuve d'Ascq, France. <hal-01889294>
48. Jinane Farah, M. Choël, Sylvie Gosselin, Moomen Baroudi, Denis Petitprez, et al.. Modification of the pollen lipid fraction by ozone. 11th International Congress on Aerobiology, Sep 2018, Parma, Italy. <hal-01920287>
49. Junias Adusei-Gyamfi, David Dumoulin, Pierre-Jean Superville, Baghdad Ouddane, Bas Heijman, et al.. Elimination de la matière organique naturelle et de ses complexes formés avec des éléments traces métalliques dans des filières de potabilisation. Journées Information Eaux, Oct 2018, Poitiers, France. <hal-01919283>
50. Justine Criquet, Mélinda George, Aurélie Bouvet, Jean-Noël Ottenwaelder, Emmanuel Bugner, et al.. Distribution spatiale de solvants chlorés dans un aquifère caractérisée par capteurs passifs. Journées Information Eaux, Oct 2018, Poitiers, France. <hal-01919293>
51. Lesven Ludovic, Billon Gabriel. 2D pH determination in sediment porewaters using a novel DET method based on an anion exchange resin coupled with a pH indicator mixing in a binding gel. ISEAC, Jun 2018, Santiago de Compostela, Spain. <hal-01919852>
52. M. Choël, Anastasia Ivanovsky, Roose Antoine, Nicolas Visez. Pollution of birch pollen grains by atmospheric particulate matter. 11th International Congress on Aerobiology, Sep 2018, Parma, Italy. <hal-01920278>
53. Melesio Quijada, Fabio Francescangeli, Eric Armynot Du Chatelet, Billon Gabriel, Fabrizio Frontalini, et al.. A multiproxy approach to characterize natural and humanperturbed coastal areas: insights from biomarkers and benthic foraminifera. RST 2018, Oct 2018, Lille, France. <hal-01904780>
54. Pierre-Jean Superville, Anastasia Ivanovsky, Pratima Bhurtun, Jean Prygiel, Billon Gabriel. Evolution of manganese speciation at the daily and seasonal scale in the Marque River (northern France). RST 2018, Oct 2018, Lille, France. <hal-01904714>
55. Pratima Bhurtun, Gabriel Billon, Lesven Ludovic, Cyril Ruckebusch, Cédric Halkett. Using high-frequency monitoring to assess the water quality of the River Selle (northern France). RST 2018, Oct 2018, Lille, France. <hal-01889221>
56. Pratima Bhurtun, Lesven Ludovic, Dumoulin David, Justine Criquet, J. Prygiel, et al.. Towards the comprehension of the impact of climate change on surface water quality in northern France - A case study of River Selle (France). CCW2018, Feb 2018, Tours, France. <hal-01889283>

57. El Hajj D., Crumeyrolle S., Choël M., Seng S., Tobon Y., and I. Chiapello : Modification of aerosol properties due to relative humidity. International Aerosol Conference 2018, St Louis USA, 2-7 September 2018.
58. El Hajj D., Crumeyrolle S., Choël M., Seng S., Tobon Y., and I. Chiapello : Modification of aerosol properties due to relative humidity. European Geosciences Union General Assembly 2018 - Vienna Austria, 8–13 April 2018.
59. Hemmer, F., L. C.-Labonnote, F. Parol, G. Brogniez, O. Sourdeval, and B. Damiri, 2018: Retrieval of cirrus cloud IWC profile from ground-based remote sensing using synergy of lidar and multi-spectral infrared radiometry. European Geosciences Union General Assembly, Session AS3.3 Vol. yy, Atmospheric ice particles. EGU2018-6107, Vienna, Austria, 8-13 April.
60. Hemmer, F., L. C.-Labonnote, F. Parol, G. Brogniez, O. Sourdeval, and B. Damiri, 2018: Retrieval of Cirrus Cloud IWC Profile from Ground-Based Remote Sensing Using the Synergy of Lidar and Multi-Spectral Infrared Radiometry (Poster). CAPPA (Chemical and Physical Properties of the Atmosphere) 4ième journée scientifique et prospective. Lille 13 avril.
61. Mallet, P.-E., G. Penide, O. Pujol, 2018 : Sensibilité du modèle RAMS aux profils d'humidité pour la formation de brouillards, Journée scientifique du SIRTA, Palaiseau, 15 juin 2018.
62. FITTSCHEN C., ASSAF E., SCHOEMAECKER C., The Reaction of Fluorine Atoms with Methanol: Yield of CH_3O / CH_2OH and Rate Constants of the Reactions $\text{CH}_3\text{O} + \text{CH}_3\text{O}$ and $\text{CH}_3\text{O} + \text{HO}_2$, 117th General Assembly of the German Bunsen Society for Physical Chemistry. Hannover, Allemagne, 2018
63. AJAMI M.A., BATUT S., FERRACCI V., ARCHER-NICHOLLS S., ARCHIBALD A.T., SCHOEMAECKER C., FITTSCHEN C., ROOOH: a missing piece of puzzle in the understanding of OH in remote environments?, 25th International Symposium on Gas Kinetics and Related Phenomena, Lille France, 2018
64. CHOËL, M., IVANOVSKY, A., ROOSE, A., & VISEZ, N. Pollution of Birch Pollen Grains by Atmospheric Particulate Matter. Presented at the International Congress on Aerobiology, Parma, Italy, 2018.
65. FARAH, J., CHOËL, M., GOSSELIN, S., BAROUDI, M., PETITPREZ, D., VISEZ, N., Modification of the Pollen Lipid Fraction by Ozone. International Congress on Aerobiology, Parma, Italy, 2018.
66. FITTSCHEN C., AJAMI M.A., BATUT S., FERRACCI V., ARCHER-NICHOLLS S., ARCHIBALD A.T., SCHOEMAECKER C., ROOOH: a missing piece of puzzle in the understanding of OH in remote environments?, IGAC 2018 Science Conference, Takamatsu, Japan, 2018
67. AJAMI M.A., BATUT S., FERRACCI V., ARCHER-NICHOLLS S., ARCHIBALD A.T., SCHOEMAECKER C., FITTSCHEN C., ROOOH: a missing piece of puzzle in the understanding of OH in remote environments?, International Workshop on Air Quality in Urban and Regional Areas, Leipzig, Allemagne, 2018
68. LAMOUREUX N., GASNOT L., DESGROUX P., Quantitative NH measurements by using laser-based diagnostics in low-pressure flames, 37th Symposium Int. on Combustion, Dublin, 2018
69. GIARRACCA, L., LAMOUREUX, N., GOSSELIN, S., VANHOVE, G., GASNOT, L., DESGROUX, P., Influence de l'oxydation des éthers cycliques sur la formation des oxydes d'azote, Journée des Doctorants du Groupement Français de Combustion, Orléans, 2018

70. GIARRACCA, L., LAMOUREUX, N., GOSSELIN, S., VANHOVE, G., GASNOT, L., DESGROUX, P., Influence of bio-cyclic ethers oxidation on nitrogen oxides chemistry, Workshop on Gas-phase reaction kinetics of biofuels oxygenated molecules, Politecnico di Milano, 23rd – 24th April 2018
71. GIARRACCA, L., LAMOUREUX, N., GOSSELIN, S., VANHOVE, G., GASNOT, L., DESGROUX, P., Impact of Lignocellulosic Biofuels on NOX Formation in Premixed Laminar Flames, 25th "Journées D'étude" Belgian Section of the Combustion Institute, Mons University, 15th – 16th May 2018
72. DO, Q.H., MERCIER, X., EL BAKALI, A. Impact de l'hydrogène sur la formation des précurseurs des suies dans les flammes, Journée Scientifique Labex Cappa, Villeneuve d'Ascq, avril 2018
73. FACCINETTO, A., IRIMIEA, C., MERCIER, X., ORTEGA, I. K., NUNS, N., THERSSEN, E., DESGROUX, P., FOCSA, C., Surface analysis in combustion: one step closer to uncovering the molecular building blocks of soot, Aerosol Technology 2018, Bilbao, Spain, 18-20 June 2018
74. DESGROUX P., BETRANCOURT C., MERCIER X., LIU F. Coupling of cavity ringdown extinction and laser induced incandescence to determine soot volume fractions in a nucleation and a sooting premixed flames, 8th International Workshop on Laser-Induced Incandescence, Tutzing, Allemagne, June 10th – 13th 2018
75. C. IRIMIEA, A. FACCINETTO, X. MERCIER, I. K. ORTEGA, E. THERSSEN, C. FOCSA, "Laboratory Flames under Investigation: Identifying Trends in Combustion - when Mass Spectrometry Meets Statistical Analysis", 10th International Aerosol Conference, St. Louis, Missouri, USA, 2-7 septembre 2018
76. C. FOCSA, D. DUCA, J. A. NOBLE, Y. CARPENTIER, M. VOJKOVIC, C. PIRIM, B. CHAZALLON, A. MANZ, R. GRZESZIK, M. LYSKA, T. TRITSCHER, J. SPIELVOGEL, S. LEGENDRE, M. RIEKER, "Towards Monitoring Automobile Ultra-fine Particle Emissions: Size-dependent Chemical Composition", 10th International Aerosol Conference, St. Louis, Missouri, USA, 2-7 septembre 2018
77. M. VOJKOVIC, D. DUCA, Y. CARPENTIER, M. ZISKIND, A. FACCINETTO, C. FOCSA, "Original Approach for Determining Surface Binding Energy of Particle-adsorbed PAHs Using L2MS Signal Decay", 10th International Aerosol Conference, St. Louis, Missouri, USA, 2-7 septembre 2018
78. C. FOCSA, D. DUCA, J. A. NOBLE, Y. CARPENTIER, M. VOJKOVIC, C. PIRIM, B. CHAZALLON, A. MANZ, R. GRZESZIK, M. LYSKA, T. TRITSCHER, J. SPIELVOGEL, S. LEGENDRE AND M. RIEKER, "Measuring ultrafine particles emitted by gasoline direct injection engines: the PEMS4Nano Project", 22nd ETH-Conference on Combustion Generated Nanoparticles, Zürich, Suisse, 18-21 juin 2018
79. C. IRIMIEA, D. DELHAYE, M. OLIN, H. TIMONEN, Y. CARPENTIER, I.K. ORTEGA, J. ALANEN, K. TEINILÄ, M. SICARD, B. RAEPSAET, S. SAARIKOSKI, J. KALLIOKOSKI, P. KARJALAINEN, L. JING, M. DAL MASO, E. ASMI, T. RÖNKKÖ, F. SER, C. FOCSA, "Analysis of aeronautic biofuels emissions with mass spectrometry techniques", 6th Iberian Meeting on Aerosol Science and Technology, RICTA2018, Bilbao (Spain), June 20-22, 2018
80. C. IRIMIEA, A. FACCINETTO, X. MERCIER, I.-K. ORTEGA, N. NUNS, E. THERSSEN, P. DESGROUX, C. FOCSA, "Surface analysis in combustion: one step closer to uncovering the molecular building blocks of soot", Aerosol Technology AT2018, Bilbao, Spain, 17-21 June 2018
81. C. IRIMIEA, I. K. ORTEGA, D. DELHAYE, M. SICARD, Y. CARPENTIER, J. YON, G. LEFEVRE, C. FOCSA, E. THERSSEN, "Commercial vs. custom-built LII systems used for non-volatile particulate matter monitoring", Aerosol Technology AT2018, Bilbao, Spain, 17-21 June 2018

- 82.** D. DUCA, M. VOJKOVIC, Y. CARPENTIER, M. ZISKIND, A. FACCINETTO, C. FOCSA, "Laser desorption of aromatic species from carbonaceous aerosol surrogates: estimation of the adsorption energy from pulse-to-pulse decay", Aerosol Technology AT2018, Bilbao, Spain, 17-21 June 2018
- 83.** Y. CARPENTIER, J.A. NOBLE, L. NGO, D. DUCA, M. VOJKOVIC, C. IRIMIEA, C. PIRIM, E. THERSSEN, G. LEFEVRE, J. YON, C. FOCSA, "Simultaneous sampling of the solid and gas-phase semi-volatile fractions of propane-based CAST soot samples: chemical differentiation using mass spectrometry", Aerosol Technology AT2018, Bilbao, Spain, 17-21 June 2018
- 84.** D. DUCA, M. VOJKOVIC, Y. CARPENTIER, M. ZISKIND, A. FACCINETTO, C. FOCSA, "Determining the adsorption energy of aromatic compounds onto carbonaceous surfaces from the signal decay in two-step laser mass spectrometry", Cambridge Particle Meeting, Cambridge, UK, 14-15 June 2018
- 85.** C. PIRIM, R. IKHENZAENE, J. NOBLE, C. IRIMIEA, Y. CARPENTIER, C. FOCSA, B. CHAZALLON, "A micro-Raman study of ice nucleation and crystal habits on soot particles and reference substrates" EGU - European Geosciences Union General Assembly, Vienne, Autriche, 8-13 avril 2018
- 86.** C. T. RODRIGUEZ, C. PIRIM, B. CHAZALLON, Raman spectroscopy coupled to PVT measurements for the investigation of CO₂ capture in semi-clathrate hydrates, GFSV 16-18 Mai 2018, Le Ventron (France)
- 87.** C.T. RODRIGUEZ, C. PIRIM, B. CHAZALLON, Selectivity and Guest Partitioning in CO₂-N₂ clathrate hydrates, 9^{ème} Journée solvatation, 24 Octobre 2018, Univ. Lille
- 88.** C. T. RODRIGUEZ, C. PIRIM, B. CHAZALLON, Selectivity in CO₂-based mixed clathrate hydrates probed by Raman spectroscopy: influence of the structure, temperature and pressure, GdR Hydrates de gaz, 20-22 Novembre 2018, Talence
- 89.** C.T. RODRIGUEZ, C. PIRIM, B. CHAZALLON, Selectivity and guest partitioning in CO₂/N₂ clathrate hydrates, 3-8 June 2018 Water X, La Maddalena (Italie)
- 90.** G. BADRAN, I. ABBAS, A. VERDIN, F. LEDOUX, M. ROUMIE, D. COURCOT, G. GARÇON. Pollution particulaire au Liban : Etude de l'impact toxicologique d'un extrait organique d'aérosol atmosphérique particulaire (PM_{2.5}) sur un modèle de cellules épithéliales pulmonaires humaines (BEAS-2B). Congrès "Journées de l'ARCUS-E2D2, Environnement Energie et Développement Durable". Rabat, Maroc, 9-11 avril, 2018
- 91.** P. AUGUSTIN, S. BILLET, F. CAZIER, S. CRUMEYROLLE, J. DEBAILLEUL, K. DEBOUDT, H. DELBARRE, D. DEWAELE, E. DIEUDONNÉ, B. ESCORNE, P. FLAMENT, M. FOURMENTIN, P. GENEVRAY, S. GUILBAUD, B. HANOUNE, Y. LANDKOCZ, C. MÉAUSOONE, A. SOKOLOV, C. VANDENBILCKE. Influence of sea breeze dynamics on aerosols physicochemical properties and toxicity in an industrialized city. European Geosciences Union General Assembly 2018, Vienna, Autriche, 8-13 avril 2018.
- 92.** F. LEDOUX, A. KFOURY, G. DELMAIRE, G. ROUSSEL, D. COURCOT. Source apportionment of major species and metals associated to PM_{2.5} in urban sites under industrial influences in northern France. SETAC Europe 28th annual Meeting. Rome, Italie, 13-17 mai, 2018.
- 93.** P. GENEVRAY, F. LEDOUX, A. VERDIN, G. SCHMIDT, J. GOBERT, C. VANDENBILCKE, F. CAZIER, D. COURCOT, F. DELATTRE. Rendu de l'étude Perception et Evaluation des Produits Phytosanitaires dans l'Air en Zone Péri-urbaine (PEPPAZU). 13^e semaine pour les alternatives aux pesticides. Dunkerque, France, 25 mars 2018.

94. F.Ledoux, Y. Landkocz, P. Martin, P. Gennevray, D. Dewaele, C. Méausoone, M. Al Zallouha, A. Hélot, A. Verdin, F. Cazier, S. Billet, D. Courcot. Seasonal variations of fine and quasi-ultrafine atmospheric particles characteristics at an industrialized coastal city, Northern France. 6th Sino French Joint Workshop on Atmospheric Environment, Orléans, 10-12 septembre 2018.
95. CHAURAND J., FRANCHOMME M., BAUDRY J., TONNEAU J.P., 2018, Identifier les continuités écolo-gi-ques : une cohérence interterritoriale délicate sous forme de « patate chaude », In Deboudt P. et al., Actes du colloque 20èmes rencontres internationales en urbanisme de l'APERAU « Que reste-t-il du projet ? Approches, méthodes et enjeux communs », pp.349-353.
96. FRANCHOMME M, HINNEWINKEL C., 2018, La trame noire, un indicateur de la place de la nature dans l'aménagement du territoire. État des lieux des pratiques et des motivations des communes de la métropole lilloise, Paris, Journée d'études de l'Association de Géographes français - Les géographes et la nature – 29 septembre 2018.
97. FRERE S., 2018, Passage à l'action et politiques publiques d'adaptation au changement climatique. Atelier de restitution des résultats d'enquête du Projet CLIMIBIO-Laboratoire TVES, MESHS-Lille, France, le 11 juin 2018
98. HELLEQUIN A.P., 2018, Changement climatique et pollution atmosphérique : impacts sur la santé et le bien-être des habitants de la région Hauts-de-France. Atelier de restitution des résultats d'enquête du Projet CLIMIBIO-Laboratoire TVES, MESHS-Lille, France, le 11 juin 2018
99. MAREGA O et FRERE S., 2018, Spécificités territoriales, diversité des perceptions et des pratiques d'adaptation : étude comparée des barrières et des leviers d'action face au changement climatique entre les communes de Lille et Chauny. Journée d'étude du WP4, Projet CLIMIBIO, Lille, le 16 février 2018,
- 100.MAREGA O., 2018, Perceptions et stratégies d'adaptation face au changement climatique en région Hauts de France : principaux résultats. Atelier de restitution des résultats d'enquête du Projet CLIMIBIO-Laboratoire TVES, MESHS-Lille, France, le 11 juin 2018.
- 101.SCHMITT G., ARAUJO F., FRANCHOMME M. ET HINNEWINKEL C., 2018, D'une trame à l'autre : les enjeux de l'intégration des réseaux écologiques dans les documents de planification à partir des expériences des Hauts-de-France et du Minas Gerais. Colloque « Nature et ville : regards croisés franco-lusophones », 13-15 juin, Tours.
- 102.Roucou, A., Kleiner, I., Goubet, M., Bteich, S., Mouret, G., Bocquet, R., Hindle, F., Meerts, W. L., Cuisset A.« Towards the detection of explosive taggants: microwave and millimeter-wave gas phase spectroscopies of 3-Nitrotoluene »International Symposium on Molecular Spectroscopy - 73rd Meeting, 18-22 Juin 2018, Urbana-Champaign, Illinois.
- 103.Jabri, A., Roucou, A., Fontanari, D., Bray, C., Hindle, F., Mouret, G., Bocquet, R., Cuisset, A.« mm-wave and ab initio studies of the conformational landscape of methoxyphenols identified as SOA precursors »International Symposium on Molecular Spectroscopy - 73rd Meeting, 18-22 Juin 2018, Urbana-Champaign, Illinois
- 104.Jabri, A., Fontanari, D., Roucou, A., Dhont, G., Mouret, G., Cuisset, A., Stahl, W., Nguyen, H.V.L., Kleiner, I.« Conformational study of secondary organic precursors containing internal rotations: cases of methyl anisole isomers »International Symposium on Molecular Spectroscopy - 73rd Meeting, 18-22 Juin 2018, Urbana-Champaign, Illinois

- 105.**Roucou, A., Dhont, G., Cuisset, A., Martin-Drumel, M.A., Thorwirth, S., Fontanari, D., Meerts, W. L.« High resolution study of the n₂ and n₅ rovibrational fundamental bands of thionyl chloride : interplay of an evolutionary algorithm and a line-by-line analysis »International Symposium on Molecular Spectroscopy - 73rd Meeting, 18-22 Juin 2018, Urbana-Champaign, Illinois
- 106.**Augustin, P., Billet, S., Cazier, F., Crumeyrolle, S., Debailleul, J., Deboudt, K., Delbarre, H., Dewaele, D., Dieudonné, E., Escorne, B., Flament, P., Fourmentin, M., Genevray, P., Guilbaud, S., Hanoune, B., Landkocz, Y., Meausoone, C., Sokolov, A., Vandebilcke, C., the Service Technique CGU DK and IRENE« Influence of sea breeze dynamics on aerosols physicochemical properties and toxicity in an industrialized city »European Geosciences Union (EGU) General Assembly, Vienne, Autriche, 8-13 avril 2018
- 107.**Klein, A. Ravetta, F., Thomas, J. L., Ancellet, G., Wilson, R., Augustin, P., Fourmentin, M., Dieudonné, E., Delbarre, H., Pazmino, A. Pelon, J.« Investigating the vertical gradient of ozone in the lower troposphere in Paris using LIDAR »European Geosciences Union (EGU) General Assembly, Vienne, Autriche, 8-13 avril 2018.
- 108.**Beji, A., K. Deboudt, M. Fourmentin, P. Flament, E. Maters, S. Khaldi and B. Muresan
- 109.**“Physical and chemical characterization of fine and ultrafine particulate matter at roadside in different highway environment”Third International Conference on Atmospheric Dust, Bari, Italy, 29-31 May 2018
- 110.**S. Guilbaud, K. Deboudt, P. Flament, P. Augustin, M. Fourmentin and H. Delbarre.“Change in the mixing state and size distribution of aerosols during the urban transport of industrial plumes”Third International Conference on Atmospheric Dust, Bari, Italy, 29-31 May 2018
- 111.**DANELIAN T., MONNET C, The patten of changes in Ordovician radiolarian diversity in the context of the clade’s Early Paleozoic diversification. The fossil week, 5th International Palaeontological Congress, Juillet, Paris, France, 2018