

## **Publications:**

- Iddrissu, L. Chen and C. Nagel, “The Search for an Economically Viable and Climate-friendly Alternative for Replacing SF6 in HV Accelerator Applications,” UHVnet, Manchester, UK, 2019  
[http://www.iba-dynamitron-lifesf6free.com/sites/default/files/ressources/EU-LIFE\\_UHVnet-abstract-2019.pdf](http://www.iba-dynamitron-lifesf6free.com/sites/default/files/ressources/EU-LIFE_UHVnet-abstract-2019.pdf)
- L. Maksoud, Y. Kieffel, J. Dabin, P. Lieutenant, I. Idrissu and L. Chen, “Dynamitron® SF6-FREE Project: The Assessment of Fluoronitrile + CO2 Applicability,” MATPOST, Lyon, France, 2019  
[http://www.iba-dynamitron-lifesf6free.com/sites/default/files/ressources/Matpost2019\\_Paper\\_33.pdf](http://www.iba-dynamitron-lifesf6free.com/sites/default/files/ressources/Matpost2019_Paper_33.pdf)
- Q. Han, I. Iddrissu, P. Ranjan, L. Chen and I. Cotton, “The Effect of Humidity on DC Breakdown Characteristic of C3F7CN and CO2 Gas Mixture,” IEEE International Conference on Dielectrics (ICD), Virtual Edition, Valencia, Spain, 2020  
<https://ieeexplore.ieee.org/abstract/document/9342016>
- Iddrissu, L. Chen, F. Bahdad, J. Dabin, D. Joassin, L. Maksoud and Y. Kieffel, “Negative DC Breakdown Characteristics of C3F7CN / CO2 Gas Mixture for Application in High Voltage Accelerators,” IEEE Transactions on Dielectrics and Electrical Insulation (under review)  
[https://www.research.manchester.ac.uk/portal/files/75547466/Breakdown\\_Characteristics\\_of\\_C3F7CN\\_CO2\\_Gas\\_Mixtures\\_in\\_Rod\\_Plane\\_Gaps\\_2\\_.pdf](https://www.research.manchester.ac.uk/portal/files/75547466/Breakdown_Characteristics_of_C3F7CN_CO2_Gas_Mixtures_in_Rod_Plane_Gaps_2_.pdf)
- Ibrahim Iddrissu, Qinghua Han, Lujia Chen<sup>1</sup>, Louis Maksoud and Yannick Kieffel, “Electrical Ageing Characteristics of a 20% C<sub>3</sub>F<sub>7</sub>CN and 80% CO<sub>2</sub> Gas Mixture for Application in High Voltage Accelerators”, IET High Voltage (under review).

## **Communications:**

- Academic engagement with The University of Liverpool, 2019
- Academic engagement with Cardiff University, 2019
- UHVDC Expert Panel Meeting, Bertinoro, Italy, 2019
- Low Carbon Network and Innovation Conference, Telford, UK, 2019
- Technical workshop on gas handling with DILO, Memmingen, Germany, 2019
- UHVnet, Glasgow, UK, 2020  
See <http://www.uhvnet.org.uk/>
- IEEE International Conference on Dielectrics (ICD), Virtual Edition, Valencia, Spain, 2020