Wednesday 31ᵗʰ August 2022

8h45-10h15		**CHEMOMETRIC ADVANCES (Part 1)** **Chair: Achim KOHLER**
	8h45	**Invited speaker: Thomas BOCKLITZ** Photonic Data Science: Data pipelines for the analysis of vibrational spectral data using machine learning and chemometrics
	9h15	**Krzysztof BANAS** Open Science paradigm for spectroscopic analysis of biological molecules: from experiment design to data evaluation and reporting
	9h30	**Aidan MEADE** Digital deparaffinisation of Paraffin-Embedded Breast Cancer FTIR Spectra Using an Autoencoder Approach
	9h45	**Ahmad SALMAN** Fast diagnosis of the etiology of oncology patients' infections by monitoring their immune system response to infection: Infrared spectroscopy of leucocytes
	10h00	**Warda BOUTEGRABET** Unsupervised feature selection by a genetic algorithm for mid-infrared spectral data
10h15-10h45		Coffee break
10h45-11h45		**CHEMOMETRIC ADVANCES (Part 2)** **Chair: Thomas BOCKLITZ**
	10h45	**Invited speaker: Achim KOHLER** Understanding and modelling of scattering and absorption phenomena in infrared microscopy
	11h15	**Eirik MAGNUSSEN** Deep Learning-enabled Inference of Distribution of Molecular Absorption of Biological Cells from FT-IR Spectra
	11h30	**Jean-Emmanuel CLEMENT** Gaussian Weighted Background Correction for Raman images
11h45-12h30		**INDUSTRIAL SPONSORS** **Chair : Sébastien BONHOMMEAU**
	11h45	**BRUKER**
	11h55	**OXFORD INSTRUMENTS - WITec**
	12h05	**THERMOFISHER SCIENTIFIC**
	12h15	**HORIBA SCIENTIFIC**
12h30-13h00		Lunch bag
13h00-17h30		Social programme: guided tour of the champagne vineyard and champagne tasting at Hautvillers
19h30-23h00		Conference dinner in the Caveau Castelnau champagne house