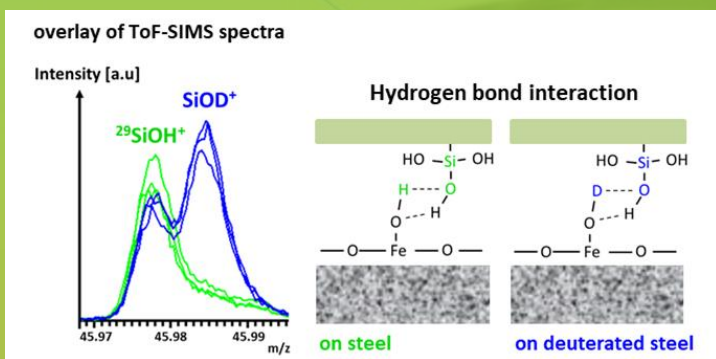


# Hybrid Interfaces and Functionalized Metals

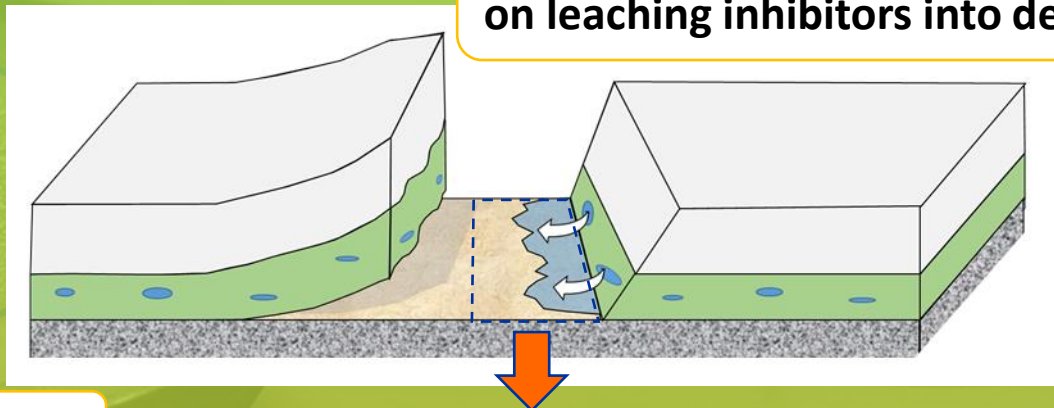
**Hybrid interfaces** between nanotuned metal oxides and organic overlayers are found in a wide range of applications and often play a crucial role in the performance and durability of a device. Here is an overview of the **exciting research** that we are conducting at the **Surface and Electrochemistry engineering research group (SURF)** at the Vrije Universiteit Brussel!

## Organic Coatings and Conversion Coatings

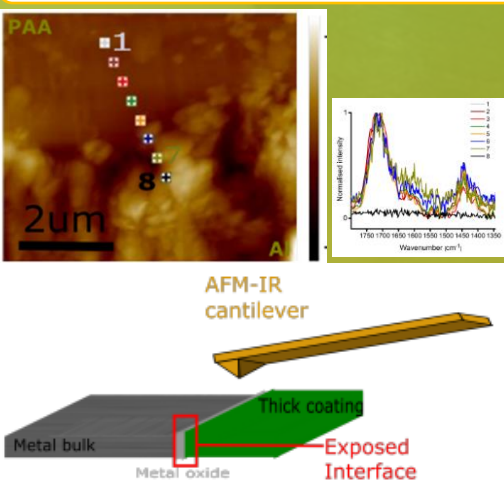
### Molecular analysis of hybrid interfacial interactions



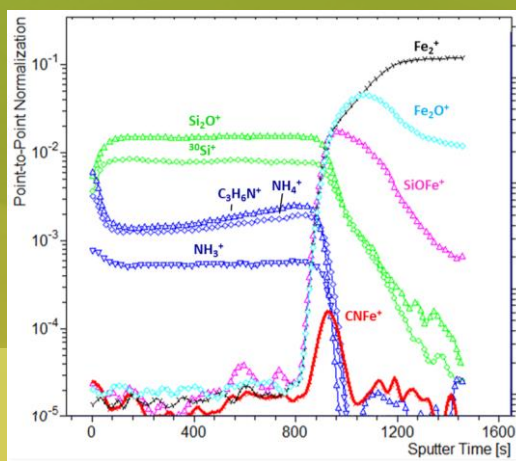
### Active corrosion protection based on leaching inhibitors into defects



### Buried interface analysis by ...

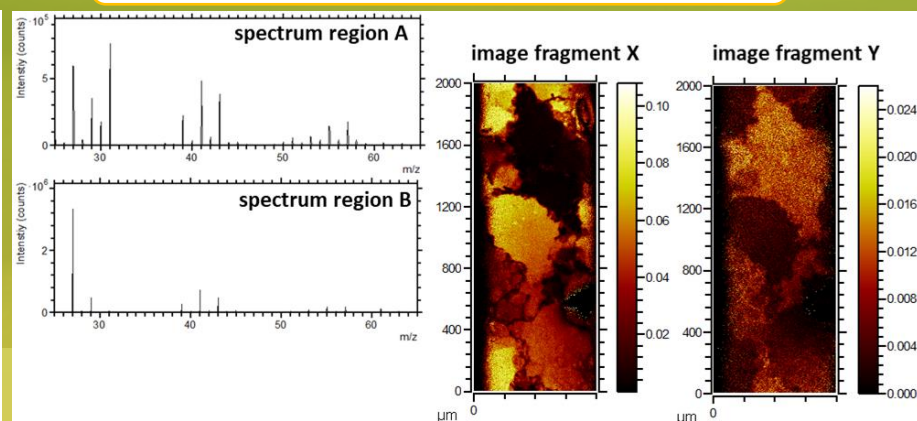


cross-section analysis



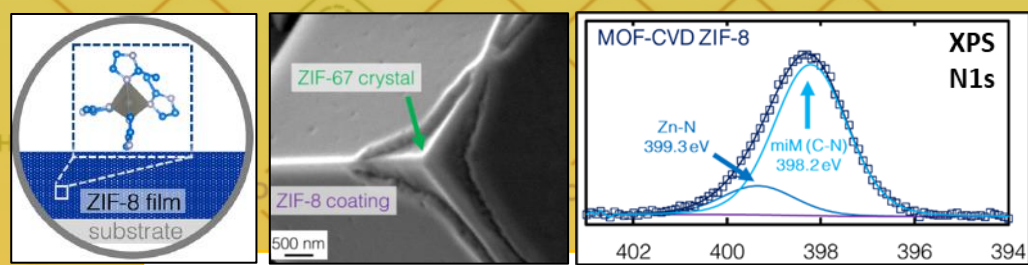
sputter depth profiling

### Local molecular imaging analysis

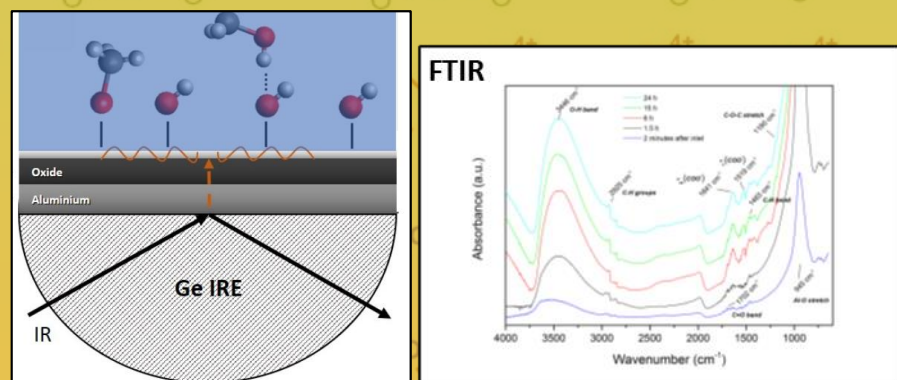


### In-situ investigation of the influence of electrolyte on hybrid interfacial bonding

## Hybrid Structure Characterization



on porous metal-organic framework films



Interested in our **research on hybrid interfaces and functionalized metals**? Do you want to contribute to a better understanding of the molecular interactions in hybrid structures using state-of-the-art characterization techniques? Please let us hear from you, we are very excited to work with you!



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See you soon!



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