



Union Internationale Pour La Science, La Technique et Les Applications du Vide  
International Union for Vacuum Science, Technique and Applications  
Internationale Union für Vakuum Forschung, Technik und Anwendung

## **Yanela Mendez González and Rémi Delaporte-Mathurin receive the 2021 IUVSTA Medard W. Welch International Scholarship Award**

**Martin Wüest, [Martin.Wuest@inficon.com](mailto:Martin.Wuest@inficon.com), Chair of the IUVSTA Awards Committee**

The **IUVSTA Medard W. Welch International Scholarship** is awarded every year to support a young postgraduate scientist for working for one year in a country in which he/she has not previously studied. Past Welch winners have gone on to be leaders in education, science and industry. The scholarship is graciously funded by Mr. Kenneth Bro and Mrs Beth Howard, continuing the award established by their grandfather Medard W. Welch, an industrialist in vacuum technology.

As many workshops and schools could not be organized due to the COVID-19 pandemic, IUVSTA decided to fund an additional scholarship this year.

Yanela and Remi will receive their awards from the IUSVTA President Anouk Galtayries at EVC-16 next Monday, November 22, 2021, and will both give a talk at the Conference (<https://www.evc16.org/Scientific-Program>)



**Yanela Mendez González** graduated with a Ph.D. in Physical Sciences with summa cum laude from the University of Havana, Cuba and is now working at the Institute of Science and Technology of Materials at the same university. She plans to work at Prof. Miguel Manso Silván's laboratory at the Applied Physics Department of the Autonomous University of Madrid on the transition metal dichalcogenides, especially  $\text{MoTe}_{2-x}\text{Se}_x$  alloy transistor structures and their bio-functionalization.



**Rémi Delaporte-Mathurin** is currently working on his Ph.D in Material Sciences at the University Sorbonne Paris Nord (Institute Galilée) as well as being a Junior Research Engineer at the Laboratoire des Sciences des Procédés et des Matériaux in Villetaneuse, France. During his thesis, he has developed the FESTIM code, a code for modelling hydrogen transport in materials for nuclear fusion applications. He will now spend time at Prof. Michael Short's laboratory for nuclear science and engineering at the Massachusetts Institute of Technology, USA. There he will be working on simulating the transport of hydrogen using his custom FESTIM code to determine whether proton injection is responsible for the observed increase in corrosion in experiments using molten salts, an important activity in the development of molten salt reactors.