

# Seminário DF

**Departamento de Física, Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa, Campus da Caparica, Portugal**

**Sala Manuel Laranjeira - Edifício I**

23 de Julho de 2025 às 14h

## **Progress with Vacuum Gauges**

**Dr. Martin Wüest**

**INFICON AG\*, Liechtenstein**

### **Abstract:**

In this talk, Dr. Martin Wüest will present the key developments achieved over the years to improve vacuum gauges, focusing on enhanced stability and robustness under demanding process conditions. The presentation will highlight the evolution of the product, and the engineering strategies adopted to meet the requirements of modern vacuum applications.

### **Speaker Biography:**

Martin Wüest is Senior Scientist in the Vacuum Control business unit of INFICON in Balzers, Liechtenstein. He is involved in research and development of new total pressure sensors ranging from ionization and heat transfer gauges to membrane deflection gauges. Martin graduated in physics from the University of Bern, Switzerland, in 1987 and received his Ph.D. in physics also from the University of Bern in 1991 with a thesis on ion scattering on rough surfaces. Before joining INFICON in 2003 he was senior scientist in the Space Science and Engineering Division of Southwest Research Institute, San Antonio, TX. There he was involved in the design and calibration of mass spectrometers and energetic neutral atom imagers for NASA's Cassini and IMAGE mission.

\*INFICON AG, sediada em Balzers, Liechtenstein, é líder mundial no desenvolvimento de instrumentos de medição de vácuo, sensores de processo e sistemas de controlo utilizados em indústrias de alta tecnologia como semicondutores, revestimentos a vácuo e investigação científica.