



University of Crete  
Department of Physics



**FORTH**  
INSTITUTE OF ASTROPHYSICS



## *Joint Physics & IA/FORTH Colloquium*

Thursday, 3 October 2024 | 17:00 – 18:00, Seminar Room 3<sup>rd</sup> Floor

### **Advanced Millimetre Wave Astronomy, IRAMs Approach and Science Focus**

**Dr. Karl-Friedrich Schuster**

*Director of Institut de Radioastronomie Millimetrique (IRAM), France*

#### **ABSTRACT**

*Over the last decades millimetre wave astronomy has established itself as a central pillar of modern multi-wavelength astrophysics and has created new opportunities to investigate physical and chemical processes in almost all areas related with interstellar matter. This evolution was enabled through very substantial progress in instrumentation and evolution of the facilities.*

*I will outline the current status with an emphasis on IRAM and discuss the current and future science frontiers which are and will be treated. Among various examples are IRAM's key contributions to the Event Horizon Telescope (EHT) network studies and discoveries.*