

# Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics (Online)



**Monday, October 25, 2021 - Friday, October 29, 2021**

**University of Jammu**

## Scientific Program

**Topics to be discussed**

Recent development of the micro-pattern gas detectors  
Development of the Resistive Plate Chamber  
Silicon detector in High Energy Experiments  
New detector technology in Nuclear Physics  
Detector simulation  
Detector technology in societal applications  
Future prospectus

**Special lectures**

Future roadmap of the MPGD technology  
Opportunities and new facilities in upcoming Particle Physics Experiments  
History of detector development and future perspective in India

**Virtual laboratory visits and testing set-up demonstrations**

## **Micro-Pattern Gas Detectors in Particle Physics**

## **Resistive Plate Chamber**

## **Silicon Detectors in Particle Physics**

## **Detectors in Nuclear Physics**

## **Simulation**

## **Societal applications**

## **Others**