

## Session Program

25-29 Oct 2021



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

## *Invited lectures*

University of Jammu, Online

# Monday 25 October

09:30

## Invited lectures

Session | Location: University of Jammu, Online | Convener: Anju Bhasin

09:30-10:30 **Fundamental of the Gas Detectors**

**Speaker**

Prakhar Garg

10:30

11:20

## Invited lectures

Session | Location: University of Jammu, Online | Convener: Anand Kumar Dubey

11:20-12:20 **Numerical Simulation of Gaseous Detectors using Garfield++**

**Speaker**

Supratik Mukhopadhyay

12:20

14:00

## Invited lectures

Session | Location: University of Jammu, Online | Convener: Nayana Majumdar

14:00-15:00

**Micro-Pattern Gaseous Detector: Technologies, Developments and Perspectives**

**Speaker**

Florian Maximilian Brunbauer

15:00

## Tuesday 26 October

09:30

### Invited lectures

**Session** | **Location:** University of Jammu, Online | **Convener:** Bedangadas Mohanty

**09:30-10:30** **Fundamental of the Resistive Plate Chamber**

**Speaker**

Varchaswi Kashyap

10:30

11:20

### Invited lectures

**Session** | **Location:** University of Jammu, Online | **Convener:** Kirti Ranjan

**11:20-12:20** **Basics Principles of the Silicon Detector**

**Speaker**

Manfred Krammer

12:20

14:00

### Invited lectures

**Session** | **Location:** University of Jammu, Online | **Convener:** Supriya Das

**14:00-15:00** **Detector Development for INO Experiment**

**Speaker**

Satyanarayana Bheesette

15:00

## Wednesday 27 October

09:30

### Invited lectures

**Session** | **Location:** University of Jammu, Online | **Convener:** Chandana Bhattacharya

**09:30-10:30** **Detectors for Nuclear Physics Research**

**Speaker**

Tilak Ghosh

10:30

11:20

### Invited lectures: Special lecture

**Session** | **Location:** University of Jammu, Online | **Convener:** Gagan Mohanty

**11:20-12:20** **Silicon Trackers at the Heart of the LHC Experiments**

**Speaker**

Luciano Musa

12:20

14:00

### Invited lectures

**Session** | **Location:** University of Jammu, Online | **Convener:** Pradip Kumar Sahu

**14:00-15:00** **Development of the Silicon Pixel Technology and Challenges**

**Speaker**

Walter Snoeys

15:00

## Thursday 28 October

09:30

### Invited lectures: Special Lecture

Session | Location: University of Jammu, Online | Convener: Vipin Bhatnagar

09:30-10:30 **Roadmap of the MPGD Towards Imaging and Timing Performances**

**Speaker**

Archana Sharma

10:30

11:20

### Invited lectures

Session | Location: University of Jammu, Online | Convener: Sanjib Muhuri

11:20-12:20 **Fundamental of Silicon Calorimeter**

**Speaker**

Vincent Boudry

12:20

14:00

### Invited lectures

Session | Location: University of Jammu, Online | Convener: Saikat Biswas

14:00-15:00

**Fundamental of Readout Electronics and Data Acquisition for Particle Detectors**

**Speaker**

Christian Joachim Schmidt

15:00

15:40

### Invited lectures

Session | Location: University of Jammu, Online | Convener: Satya Ranjan Santra

15:40-16:40 **The Practice of Gamma-ray Spectroscopy: Here & Now**

**Speaker**

Rajarshi Raut

16:40

## Friday 29 October

09:30

### Invited lectures

**Session** | **Location:** University of Jammu, Online | **Convener:** Sandeep Ghugre

**09:30-10:30** **Experimental Techniques for Dark Matter Search**

**Speaker**

Satyajit Saha

10:30

11:20

### Invited lectures

**Session** | **Location:** University of Jammu, Online | **Convener:** Subhasis Chattopadhyay

**11:20-12:20** **Application to Society: Imaging in Particle Therapy**

**Speaker**

Aafke Kraan

12:20

15:40

### Invited lectures: Special Lecture

**Session** | **Location:** University of Jammu, Online | **Convener:** Tapan Nayak

**15:40-16:40** **History of Detector Development and Future Perspective in India**

**Speaker**

Naba Mondal

16:40