



# 4th International Workshop on Tracking Detectors in High Energy Physics



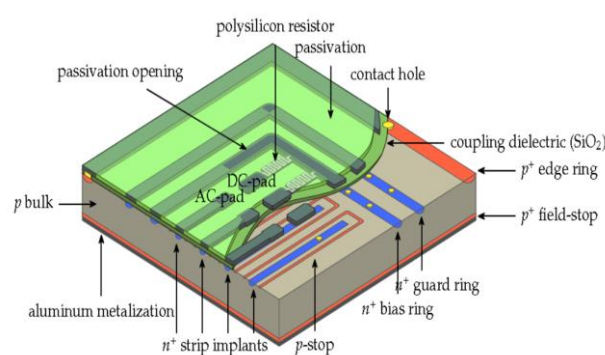
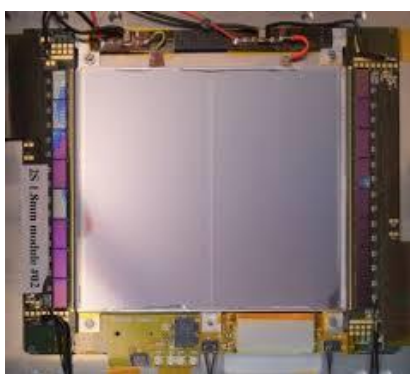
(Webinar)

October 25 – 27  
National Centre for Physics, Islamabad

The Large Hadron Collider (LHC) at CERN, is the largest particle accelerator in the world to probe the fundamental questions about the nature. The particle detectors which are part of the LHC experiments play a key role to achieve the physics objectives. This workshop will cover the current R&D progress and performance of tracking detectors being used in high energy physics experiments and other applications.

## Topics:

Silicon Detectors: Physics and Principle  
Tracking Detectors at LHC and their performance  
CMS Phase-2 Tracker Upgrade Project  
CMS Tracker Mechanics and Ladder Assembly  
Silicon Strip and Pixel Detectors  
Silicon Detector Assembly  
Gas Electron Multiplier Detectors  
Resistive Plate Chambers



## Participation:

Graduate/Undergraduate students, researchers from universities and R&D organizations are encouraged to apply. There is no registration fee.

## Contact Information:

Collaborations & Academic Activities Department (CAAD)

Phone: +92 51 2077477 | +92 51 2077325 Fax: +92 51 2077342 Email: [caad@ncp.edu.pk](mailto:caad@ncp.edu.pk)

## Directors:

Hafeez Hoorani (NCP, Pakistan)  
Ashfaq Ahmad (NCP, Pakistan)

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Alan Honma (CERN, Switzerland)  
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## Organisers:

Imran Awan (EHEPD)  
Saleh Muhammad (EHEPD)  
Rabia Rasheed (CAAD)  
Naveed Imran (CAAD)

## Tentative Speakers:

Erik Butz (KIT, Germany)  
Sally Seidel (University of New Mexico (US))  
Ashfaq Ahmad (NCP, Pakistan)  
Gabriella Pugliese (CERN, Switzerland)  
Stefan Maier (KIT, Germany)  
Imran Awan (NCP, Pakistan)  
Jeremie Alexandre Merlin (CERN, Switzerland)  
Saleh Muhammad (NCP, Pakistan)  
Viktor Veszpremi (Wigner RCP, Hungary)  
Dmitri Tsybychev (Stony Brook, USA)

## Apply online at following link:

<http://www.ncp.edu.pk/iwtd-2021.php>

## Application Deadline

**October 10, 2021**