

Session Program

31 August 2019 to 3 September 2019

Draft slide for Final Conference

Early Stage Researchers' Presentations

Saturday 31 August

15:50

Early Stage Researchers' Presentations: WP2 - CMOS Technologies Assessment

Session | Convener: Marlon B. Barbero

16:15-16:40

Design and characterization in Depleted CMOS technology for particle physics pixel detector

Speakers

Siddharth Bhat, Siddharth Bhat

16:40-17:05

Depleted monolithic CMOS sensors for particle physics pixel detectors at high intensity and high radiation dose

Speakers

Mr Zongde Chen, Zongde Chen

17:05

17:05

Early Stage Researchers' Presentations: WP3 - Smart Sensor Design and Layout -Part 1

Session | Convener: Norbert Wermes

17:05-17:30

Design and characterisation of radiation-hard monolithic sensors in TowerJazz 180 nm CMOS

Speaker

Ivan Berdalovic

17:30

Sunday 1 September

09:00

Early Stage Researchers' Presentations: WP3 - Smart Sensor Design and Layout - Part 2

Session | Convener: Norbert Wermes

09:00–09:25

Characterization of depleted monolithic active pixel sensors with a column-drain read-out architecture in CMOS technologies

Speaker

Ivan Dario Caicedo Sierra

09:25–09:50

Pixel Sensor Development for High Radiation Environments in Modern CMOS Technologies

Speaker

Konstantinos Moustakas

09:50–10:15

Effects of program time on Sidewall Spacer data retention with respect to Total Ionizing Dose

Speaker

Tommaso Vincenzi

10:15

10:35

Early Stage Researchers' Presentations: WP4 - Validation and Qualification

Session | Conveners: Petra Riedler, Heinz Pernegger

11:05–11:30

Characterisation of radiation-hard X-ray sensors for medical applications

Speaker

Filip Segmanovic

11:30–11:55

Design and timing characterization of radiation-hard circuits for monolithic sensors

Speaker

Francesco Piro

11:55–12:20

Effect of total ionizing dose on CMOS pixel sensors

Speakers

Lluís Simon Argemi, Lluís Simon Argemi

12:20–13:35

Lunch

13:35–14:00

Characterization of high voltage CMOS pixel sensor prototypes

Speaker

Ettore Zaffaroni

14:25

14:00-14:25

Advances on integration of Monolithic Silicon Sensors in Pixel Trackers

Speaker

Roberto Cardella

14:25

Early Stage Researchers' Presentations: WP5 - Technology Integration

Session | **Convener:** Luigi Mele

14:25-14:50

Developing a Portable Webcam-based Detector System for Alpha Particle Measurement

Speaker

Mr Callum Wood

14:50-15:25

Assessment, radiation tests and design specifications for a novel CMOS monolithic pixel detector integrated on a transmission electron microscope setup

Speakers

Andrea Ferretti, Horacio Mateos

15:15-15:40

Chip Integration Studies

Speaker

Thomas Fritzsche

16:00

15:40-16:00

Coffee break

16:00

Early Stage Researchers' Presentations: Early Stage Researcher - WP6 Technology valorization

Session | **Convener:** Peter Keinz

16:00-16:25

Identification of New Application Fields for Technologies: Sequential Search Increases the Problem-Solution-Fit

Speaker

Barbara Mehner

16:25-16:50

Enabling technologies in the humanitarian sector

Speaker

Shtefi Mladenovska

17:00