

STREAM Final Conference and Hackathon

Monday, 16 September 2019

Early Stage Researchers' Presentations: WP3 - Smart Sensors Design and Layout- Part 1 - 3179 (16:00 - 17:15)

-Conveners: Norbert Wermes

time	[id] title	presenter
16:00	[1] Design and characterisation of radiation-hard monolithic sensors in TowerJazz 180 nm CMOS	BERDALOVIC, Ivan
16:25	[3] Pixel Sensor Development for High Radiation Environments in Modern CMOS Technologies	MOUSTAKAS, Konstantinos
16:50	[13] Design and timing characterization of radiation-hard circuits for monolithic sensors	PIRO, Francesco

Tuesday, 17 September 2019

Early Stage Researchers' Presentations: WP3 - Smart Sensor Design and Layout - Part 2 - 3179 (09:00 - 09:25)

-Conveners: Norbert Wermes

time	[id] title	presenter
09:00	[2] Characterization of depleted monolithic active pixel sensors with a column-drain read-out architecture in CMOS technologies	CAICEDO SIERRA, Ivan Dario

Early Stage Researchers' Presentations: WP2 - CMOS Technologies Assessment - 3179 (09:25 - 10:15)

-Conveners: Marlon B. Barbero

time	[id] title	presenter
09:25	[8] Design and characterization in Depleted CMOS technology for particle physics pixel detector	BHAT, Siddharth BHAT, Siddharth
09:50	[9] Depleted monolithic CMOS sensors for particle physics pixel detectors at high intensity and high radiation dose	Mr CHEN, Zongde CHEN, Zongde

Early Stage Researchers' Presentations: WP4 - Validation and Qualification - 3179 (10:40 - 14:05)

-Conveners: Petra Riedler; Heinz Pernegger

time	[id] title	presenter
10:40	[14] Effect of total ionizing dose on CMOS pixel sensors	SIMON ARGEMI, Lluís SIMON ARGEMI, Lluís
11:05	[11] Characterisation of radiation-hard X-ray sensors for medical applications	SEGMANOVIC, Filip SEGMANOVIC, Filip
11:30	[4] Effects of program time on Sidewall Spacer data retention with respect to Total Ionizing Dose	VINCENZI, Tommaso
11:55	[15] Characterization of high voltage CMOS pixel sensor prototypes	ZAFFARONI, Ettore
12:20	Lunch	
13:40	[16] Advances on integration of Monolithic Silicon Sensors in Pixel Trackers	CARDELLA, Roberto

Early Stage Researchers' Presentations: WP5 - Technology Integration - 3179 (14:05 - 15:50)

-Conveners: Luigi Mele

time	[id] title	presenter
14:05	[19] Developing a Portable CMOS sensor based Detector System for Alpha Particle Measurement	Mr WOOD, Callum
14:30	[12] Assessment, radiation tests and design specifications for a novel CMOS monolithic pixel detector integrated on a transmission electron microscope setup	FERRETTI, Andrea MATEOS, Horacio
15:05	[23] Oxide Bond Processing and Characterization for Chip-to-Chip Cu-SiO ₂ Hybrid Bonding	FRITZSCH, Thomas
15:30	Coffee break	

Early Stage Researchers' Presentations: Early Stage Researcher - WP6 Technology valorization - 3179 (15:50 - 16:50)

-Conveners: Peter Keinz

time	[id] title	presenter
15:50	[17] Identification of New Application Fields for Technologies: Sequential Search Increases the Problem-Solution-Fit	MEHNER, Barbara
16:15	[18] Enabling technologies in the humanitarian sector	MLADENOVSKA, Shtefi