

IF07 Electronics/ASICs: Flashtalks workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and Introduction

Thursday, 30 July 2020 13:00 (10 minutes)

Presenter: CARINI, Gabriella

Contribution ID: 2

Type: **not specified**

Early career - Opportunities and liaisons

Thursday, 30 July 2020 13:10 (7 minutes)

Presenters: IAKOVIDIS, George (BNL); BUTALLA, Stephen (Florida Institute of Technology (US))

Contribution ID: 3

Type: **not specified**

Quantum sensors

Thursday, 30 July 2020 13:31 (7 minutes)

Presenter: CECIL, Tom (Argonne)

Session Classification: Readout needs

Contribution ID: 4

Type: **not specified**

Photon detector

Thursday, 30 July 2020 13:38 (7 minutes)

Presenter: ESTRADA VIGIL, Juan (FNAL)

Session Classification: Readout needs

Contribution ID: 5

Type: **not specified**

21cm & RF readout

Thursday, 30 July 2020 13:45 (7 minutes)

Presenter: O'CONNOR, Paul

Session Classification: Readout needs

Contribution ID: 6

Type: **not specified**

Kiloton Scale LArTPC Pixel Based readout

Thursday, 30 July 2020 13:17 (7 minutes)

Presenter: ASAADI, Jonathan (University of Texas at Arlington)

Session Classification: Cryogenics

Contribution ID: 7

Type: **not specified**

Quantum sensor readout

Thursday, 30 July 2020 13:24 (7 minutes)

Presenters: SUZUKI, Aritoki (Lawrence Berkeley National Laboratory); GRACE, Carl (Lawrence Berkeley National Laboratory)

Session Classification: Cryogenics

Contribution ID: 8

Type: **not specified**

High precision, high dynamic range readout (eg. calo)

Thursday, 30 July 2020 13:52 (7 minutes)

Presenter: ANDEEN, Timothy (Columbia University)

Contribution ID: 9

Type: **not specified**

Si tracking detector readout

Thursday, 30 July 2020 13:59 (7 minutes)

Presenter: HEIM, Timon (Lawrence Berkeley National Lab)

Contribution ID: **10**

Type: **not specified**

Blocks for SOC

Thursday, 30 July 2020 14:06 (7 minutes)

Presenter: NEWCOMER, Mitch (U.Penn)

Contribution ID: 12

Type: **not specified**

Femtosec timing / optimal signal extraction / ULpower GHz transient recording

Thursday, 30 July 2020 14:20 (7 minutes)

Presenter: VARNER, Gary (University of Hawaii)

Contribution ID: **13**

Type: **not specified**

Optical links

Thursday, 30 July 2020 14:27 (7 minutes)

Presenter: YE, Jingbo (Southern Methodist University)

Contribution ID: **14**

Type: **not specified**

Event driven electronics

Thursday, 30 July 2020 14:34 (7 minutes)

Presenter: MANOHAR, Rajit

Contribution ID: 15

Type: **not specified**

Low Power Techniques for "on detector" data processing

Thursday, 30 July 2020 14:41 (7 minutes)

Presenter: GRACE, Carl (Lawrence Berkeley National Laboratory)

Session Classification: On detector (sustainable) processing

Contribution ID: 16

Type: **not specified**

Smart Detector with on-chip Neuromorphic Computing Capabilities

Thursday, 30 July 2020 14:48 (7 minutes)

Presenter: MIRYALA, Sandeep

Session Classification: On detector (sustainable) processing

Contribution ID: 17

Type: **not specified**

AI on chip: Algorithm to Accelerator

Thursday, 30 July 2020 14:55 (7 minutes)

Presenter: Dr FAHIM, Farah (FERMILAB)

Session Classification: On detector (sustainable) processing

Contribution ID: **18**

Type: **not specified**

Workforce development for digital logic

Thursday, 30 July 2020 15:02 (7 minutes)

Presenter: NISHIMURA, Kurtis (University of Hawaii)

Session Classification: Engagement

Contribution ID: **19**

Type: **not specified**

Internships

Thursday, 30 July 2020 15:09 (7 minutes)

Presenter: HOFF, Jim (Fermilab)

Session Classification: Engagement

Contribution ID: **20**

Type: **not specified**

HEPIC

Thursday, 30 July 2020 15:16 (7 minutes)

Presenter: HOFF, Jim (Fermilab)

Session Classification: Engagement

Contribution ID: **21**

Type: **not specified**

Discussion

Thursday, 30 July 2020 15:23 (32 minutes)

Contribution ID: **22**

Type: **not specified**

Closeout

Thursday, 30 July 2020 15:55 (5 minutes)

Contribution ID: 23

Type: **not specified**

Precision Position and Timing detector R&D and 3DIC technology

Thursday, 30 July 2020 14:13 (7 minutes)

Presenter: LIU, Ted (Fermilab)