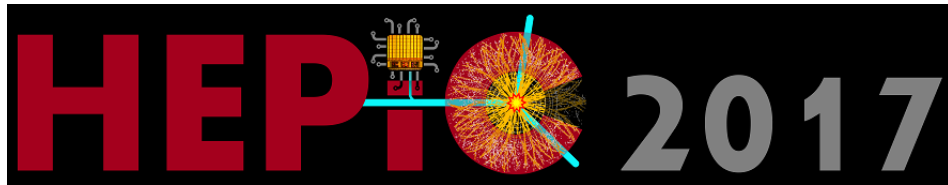


HEP-IC Workshop 2017



Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Wednesday, 4 October 2017 08:30 (10 minutes)

Presenter: Dr HALLER, gunther (slac)

Session Classification: Welcom and Introduction

Contribution ID: 1

Type: **not specified**

Purpose of the meeting

Wednesday, 4 October 2017 08:40 (15 minutes)

Presenter: ROE, Natalie (Lawrence Berkeley National Lab)

Session Classification: Welcom and Introduction

Contribution ID: 2

Type: **not specified**

Argonne National Laboratory

Wednesday, 4 October 2017 08:55 (20 minutes)

Presenter: DRAKE, Gary (Argonne National Laboratory)

Session Classification: Overview of group's activities

Contribution ID: 3

Type: **not specified**

Brookhaven National Laboratory

Wednesday, 4 October 2017 09:15 (20 minutes)

Presenter: Dr LI, Shaorui (BNL)

Session Classification: Overview of group's activities

Contribution ID: 4

Type: **not specified**

Columbia University

Wednesday, 4 October 2017 09:35 (20 minutes)

Presenter: Prof. BROOIJMANS, Gustaaf (Columbia University)

Session Classification: Overview of group's activities

Contribution ID: 5

Type: **not specified**

Fermilab National Laboratory

Wednesday, 4 October 2017 09:55 (20 minutes)

Presenter: Dr DEPTUCH, Gregory (FERMILAB PPD/EED)

Session Classification: Overview of group's activities

Contribution ID: 6

Type: **not specified**

University of Hawaii

Wednesday, 4 October 2017 10:35 (20 minutes)

Presenter: Prof. VARNER, Gary (University of Hawaii)

Session Classification: Overview of group's activities

Contribution ID: 7

Type: **not specified**

UC Irvine

Wednesday, 4 October 2017 10:55 (20 minutes)

Presenter: KLEINFELDER, Stuart (UC Irvine)

Session Classification: Overview of group's activities

Contribution ID: 8

Type: **not specified**

Lawrence Berkeley National Laboratory

Wednesday, 4 October 2017 11:15 (20 minutes)

Presenter: Dr GRACE, Carl (Lawrence Berkeley National Laboratory)

Session Classification: Overview of group's activities

Contribution ID: 9

Type: **not specified**

Michigan University

Wednesday, 4 October 2017 11:35 (20 minutes)

Presenter: Mr WANG, Jinhong (University of Michigan)

Session Classification: Overview of group's activities

Contribution ID: **10**

Type: **not specified**

Penn University

Wednesday, 4 October 2017 11:55 (20 minutes)

Presenter: Mr NEWCOMER, Mitch (U.Penn)

Session Classification: Overview of group's activities

Contribution ID: **11**

Type: **not specified**

UC Santa Barbara

Wednesday, 4 October 2017 13:15 (20 minutes)

Presenter: Prof. BREWER, Forrest (UC Santa Barbara)

Session Classification: Overview of group's activities

Contribution ID: **12**

Type: **not specified**

UC Santa Cruz

Wednesday, 4 October 2017 13:35 (20 minutes)

Presenter: Dr GRABAS, Herve (University of California, Santa Cruz)

Session Classification: Overview of group's activities

Contribution ID: **13**

Type: **not specified**

SLAC National Accelerator Laboratory

Wednesday, 4 October 2017 13:55 (20 minutes)

Presenter: DRAGONE, Angelo (SLAC)

Session Classification: Overview of group's activities

Contribution ID: 14

Type: **not specified**

SMU EE Department

Wednesday, 4 October 2017 14:15 (20 minutes)

Presenter: Prof. GUI, Ping (SMU)

Session Classification: Overview of group's activities

Contribution ID: 15

Type: **not specified**

SMU Physics Department

Wednesday, 4 October 2017 14:35 (20 minutes)

Presenter: YE, Jingbo (SMU)

Session Classification: Overview of group's activities

Contribution ID: **16**

Type: **not specified**

UT Austin

Wednesday, 4 October 2017 14:55 (20 minutes)

Presenter: Prof. ANDEEN, Tim (U Texas, Austin)

Session Classification: Overview of group's activities

Contribution ID: 17

Type: **not specified**

Introduction

Wednesday, 4 October 2017 15:35 (10 minutes)

Presenter: Dr DEPTUCH, Gregory (FERMILAB PPD/EED)

Session Classification: Collaborating between institutions

Contribution ID: **18**

Type: **not specified**

Collaborating between institutions: the CERN experience

Wednesday, 4 October 2017 15:45 (20 minutes)

Presenter: CAMPBELL, Michael (CERN)

Session Classification: Collaborating between institutions

Contribution ID: **19**

Type: **not specified**

Sharing databases: Cliosoft Tools

Wednesday, 4 October 2017 16:05 (30 minutes)

Presenter: Mr VARDE, Amit (Cliosoft)

Session Classification: Collaborating between institutions

Contribution ID: **20**

Type: **not specified**

Roundtable

Wednesday, 4 October 2017 16:35 (1 hour)

Presenter: Dr DEPTUCH, Gregory (FERMILAB PPD/EED)

Session Classification: Collaborating between institutions

Contribution ID: **21**

Type: **not specified**

Introduction

Thursday, 5 October 2017 08:30 (10 minutes)

Presenter: O'CONNOR, Paul (BNL)

Session Classification: New developments, trends and plans

Contribution ID: 22

Type: **not specified**

Digital-on-top Mixed Signal Design

Thursday, 5 October 2017 08:40 (20 minutes)

Presenter: HOROWITZ, Mark (Stanford University)

Session Classification: New developments, trends and plans

Contribution ID: 23

Type: **not specified**

Trends in pixel readout chip designs for high rate and radiation

Thursday, 5 October 2017 09:00 (20 minutes)

Presenter: GARCIA-SCIVERES, Maurice (LBNL)

Session Classification: New developments, trends and plans

Contribution ID: 24

Type: **not specified**

Precision Timing in HEP experiments

Thursday, 5 October 2017 09:20 (20 minutes)

Presenter: Prof. VARNER, Gary (University of Hawaii)

Session Classification: New developments, trends and plans

Contribution ID: 25

Type: **not specified**

Monolithic Pixels and technologies

Presenter: Mr CARAGIULO, Pietro (SLAC National Accelerator Laboratory)

Contribution ID: 26

Type: **not specified**

Front-end in extreme conditions

Thursday, 5 October 2017 09:40 (20 minutes)

Presenter: Dr LI, Shaorui (BNL)

Session Classification: New developments, trends and plans

Contribution ID: 27

Type: **not specified**

Rad-hard methodology and cad tools

Thursday, 5 October 2017 10:00 (20 minutes)

Presenter: MIRYALA, Sandeep

Session Classification: New developments, trends and plans

Contribution ID: 28

Type: **not specified**

Advanced Interconnections between Sensors and Integrated Circuits

Thursday, 5 October 2017 10:40 (20 minutes)

Presenter: KENNEY, Chris (SLAC)

Session Classification: New developments, trends and plans

Contribution ID: 29

Type: **not specified**

3D-IC status and trends

Thursday, 5 October 2017 11:00 (20 minutes)

Presenter: Dr LIPTON, Ronald (Fermilab)

Session Classification: New developments, trends and plans

Contribution ID: **30**

Type: **not specified**

Content addressable memories for HEP

Thursday, 5 October 2017 11:20 (20 minutes)

Presenter: Dr LIU, Ted (Fermilab)

Session Classification: New developments, trends and plans

Contribution ID: 31

Type: **not specified**

Information-centric analog interfaces

Thursday, 5 October 2017 11:40 (20 minutes)

Presenter: MURMANN, Boris (Stanford University)

Session Classification: New developments, trends and plans

Contribution ID: 32

Type: **not specified**

Cadence: trends in CAD tools and services

Thursday, 5 October 2017 13:00 (20 minutes)

Presenter: NIZIC, Mladen (Cadence)

Session Classification: New developments, trends and plans

Contribution ID: 33

Type: **not specified**

MOSIS technology Roadmap

Thursday, 5 October 2017 13:20 (20 minutes)

Presenter: Mr PINA, Russ (MOSIS Service)

Session Classification: New developments, trends and plans

Contribution ID: **34**

Type: **not specified**

Roundtable

Thursday, 5 October 2017 13:40 (1 hour)

Presenter: O'CONNOR, Paul (BNL)

Session Classification: New developments, trends and plans

Contribution ID: 35

Type: **not specified**

Introduction

Thursday, 5 October 2017 15:00 (10 minutes)

Presenter: DRAGONE, Angelo (SLAC)

Session Classification: Collaborations and partnership with other research agencies and industry

Contribution ID: 36

Type: **not specified**

Working with National Labs

Thursday, 5 October 2017 15:10 (20 minutes)

Presenter: WILLARDSON, Mike (SLAC)

Session Classification: Collaborations and partnership with other research agencies and industry

Contribution ID: 37

Type: **not specified**

Roundtable

Thursday, 5 October 2017 15:30 (1 hour)

Presenter: DRAGONE, Angelo (SLAC)

Session Classification: Collaborations and partnership with other research agencies and industry

Contribution ID: **38**

Type: **not specified**

Introduction

Friday, 6 October 2017 08:30 (10 minutes)

Presenter: Mr NEWCOMER, Mitch (U.Penn)

Session Classification: New collaborations and training initiatives

Contribution ID: 39

Type: **not specified**

Cross-institutional training and continuous education in ASIC design

Friday, 6 October 2017 08:40 (20 minutes)

Presenter: Dr HOFF, Jim (Fermilab)

Session Classification: New collaborations and training initiatives

Contribution ID: 40

Type: **not specified**

Round of proposals

Friday, 6 October 2017 09:00 (1 hour)

Presenter: Mr NEWCOMER, Mitch (U.Penn)

Session Classification: New collaborations and training initiatives

Contribution ID: 41

Type: **not specified**

Roundtable

Friday, 6 October 2017 10:20 (45 minutes)

Presenter: Mr NEWCOMER, Mitch (U.Penn)

Session Classification: New collaborations and training initiatives

Contribution ID: 42

Type: **not specified**

Introduction

Friday, 6 October 2017 11:05 (10 minutes)

Presenter: Dr GRACE, Carl (Lawrence Berkeley National Laboratory)

Session Classification: HEP IP database

Contribution ID: 43

Type: **not specified**

Round of proposals

Friday, 6 October 2017 11:15 (1 hour)

Presenter: Dr GRACE, Carl (Lawrence Berkeley National Laboratory)

Session Classification: HEP IP database

Contribution ID: 44

Type: **not specified**

Roundtable

Friday, 6 October 2017 12:15 (45 minutes)

Presenter: Dr GRACE, Carl (Lawrence Berkeley National Laboratory)

Session Classification: HEP IP database

Contribution ID: 45

Type: **not specified**

Summary and guidelines for the report

Friday, 6 October 2017 13:00 (20 minutes)

Presenter: DRAGONE, Angelo (SLAC)

Session Classification: Closeout