

HSF Visualization workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Tuesday 28 March 2017 16:00 (10 minutes)

Presenter: BIANCHI, Riccardo Maria (University of Pittsburgh (US))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 2

Type: **not specified**

Scientific Visualization at NVIDIA

Tuesday 28 March 2017 16:10 (30 minutes)

Presenter: Dr MESSMER, Peter (NVIDIA)

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 3

Type: **not specified**

Qt 3D

Tuesday 28 March 2017 16:40 (45 minutes)

Presenters: Dr OTTENS, Kevin (KDAB); Dr KRUS, Mike (KDAB); Dr HARMER, Sean (KDAB)

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 4

Type: **not specified**

News from Qt: Qt Canvas3D, QWebGL

Tuesday 28 March 2017 17:25 (30 minutes)

Presenter: FERNANDEZ, Jesus (Qt Company)

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 5

Type: **not specified**

3D graphics in JavaScript ROOT

Tuesday 28 March 2017 18:15 (10 minutes)

Presenter: LINEV, Sergey

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 6

Type: **not specified**

VR in HEP: ATLASRift

Tuesday 28 March 2017 18:25 (10 minutes)

Presenter: VUKOTIC, Ilija (University of Chicago (US))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 7

Type: **not specified**

3D event display for ATLAS: VP1

Tuesday 28 March 2017 20:00 (10 minutes)

VP1 is a 3D event display for the ATLAS experiment at CERN. It is part of the experiment core software and it is integrated into the experiment's framework. It is written in C++ and it uses the OpenGL-based library Coin3D for the 3D graphics and Qt for the GUI.

Presenter: BIANCHI, Riccardo Maria (University of Pittsburgh (US))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 9

Type: **not specified**

Common packages in HEP (title TBC)

Wednesday 29 March 2017 16:20 (20 minutes)

Presenter: VUKOTIC, Ilija (University of Chicago (US))

Session Classification: The vision: what future HEP Visualization should be

Contribution ID: **12**

Type: **not specified**

WebGL and three.js in CMS

Tuesday 28 March 2017 19:00 (10 minutes)

Presenter: MC CAULEY, Thomas (University of Notre Dame (US))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 13

Type: **not specified**

Tracer: WebGL and three.js in ATLAS

Tuesday 28 March 2017 18:45 (10 minutes)

Presenter: SHARMAZANASHVILI, Alexander (Georgian Technical University (GE))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 14

Type: **not specified**

TADA: online event display with three.js

Tuesday 28 March 2017 18:35 (10 minutes)

Presenter: MOYSE, Edward (University of Massachusetts (US))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 15

Type: **not specified**

Event displays in ALICE : present and future

Tuesday 28 March 2017 19:10 (10 minutes)

Presenters: Mr VON HALLER, Barthelemy (CERN); NIEDZIELA, Jeremi (Warsaw University of Technology (PL))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 16

Type: **not specified**

3D modeling with SketchUp in CMS

Tuesday 28 March 2017 18:55 (5 minutes)

Presenter: Dr SAKUMA, Tai (University of Bristol (GB))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 17

Type: **not specified**

The ATLAS Atlantis event display

Tuesday 28 March 2017 19:20 (10 minutes)

Presenter: WAUGH, Benedict Martin (University College London (UK))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: **18**

Type: **not specified**

Common approaches: fostering collaboration in HEP

Wednesday 29 March 2017 16:00 (20 minutes)

Presenter: BIANCHI, Riccardo Maria (University of Pittsburgh (US))

Session Classification: The vision: what future HEP Visualization should be

Contribution ID: **19**

Type: **not specified**

Discussion: toward a common HEP vision

Wednesday 29 March 2017 17:50 (2 hours)

Session Classification: The vision: what future HEP Visualization should be

Contribution ID: **20**

Type: **not specified**

The CMS Event Display

Tuesday 28 March 2017 19:30 (10 minutes)

Presenter: KOVALSKYI, Dmytro (Massachusetts Inst. of Technology (US))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 21

Type: **not specified**

Future evolution of the CMS Event Display

Wednesday 29 March 2017 16:40 (20 minutes)

Presenter: MRAK TADEL, Alja (Univ. of California San Diego (US))

Session Classification: The vision: what future HEP Visualization should be

Contribution ID: 22

Type: **not specified**

EVE - Indispensable Features & Future in ROOT 7

Wednesday 29 March 2017 17:00 (20 minutes)

Presenter: TADEL, Matevz (Univ. of California San Diego (US))

Session Classification: The vision: what future HEP Visualization should be

Contribution ID: 23

Type: **not specified**

The LHCb event display

Tuesday 28 March 2017 19:40 (10 minutes)

Presenter: COUTURIER, Ben (CERN)

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 24

Type: **not specified**

Visualization in ATLAS: Persint

Tuesday 28 March 2017 19:50 (10 minutes)

Presenter: CHEVALIER, Laurent (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Session Classification: Today's visualization landscape: HEP tools and the market's offer

Contribution ID: 25

Type: **not specified**

WebGL, etc. in the future

Wednesday 29 March 2017 17:20 (10 minutes)

Presenter: MC CAULEY, Thomas (University of Notre Dame (US))

Session Classification: The vision: what future HEP Visualization should be

Contribution ID: 26

Type: **not specified**

A new web page for the Visualization WG

Thursday 30 March 2017 16:00 (2 minutes)

Presenter: BIANCHI, Riccardo Maria (University of Pittsburgh (US))

Session Classification: Writing session: drafting the CWP Visualization chapter

Contribution ID: 27

Type: **not specified**

Planning the Visualization chapter content and the writing

Thursday 30 March 2017 16:02 (3 hours)

Session Classification: Writing session: drafting the CWP Visualization chapter