

HEP Software Foundation Workshop

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Tuesday, January 20, 2015 9:00 AM (20 minutes)

Presenters: BOEHNLEIN, Amber; Dr MOUNT, Richard Philip (SLAC National Accelerator Laboratory (US))

Contribution ID: 1

Type: **not specified**

What has been done so far

Tuesday, January 20, 2015 9:20 AM (20 minutes)

Presenters: Dr MATO VILA, Pere (CERN); Dr WENAUS, Torre (Brookhaven National Laboratory (US))

Session Classification: Status

Contribution ID: 2

Type: **not specified**

The Apache Foundation

Tuesday, January 20, 2015 10:40 AM (20 minutes)

Presenter: BEHLENDORF, Brian (Apache Foundation)

Session Classification: Software collaboration: Learning from others

Contribution ID: 3

Type: **not specified**

White Paper synthesis

Tuesday, January 20, 2015 9:50 AM (20 minutes)

Presenter: VALASSI, Andrea (CERN)

Session Classification: Status

Contribution ID: 5

Type: **not specified**

Wrap-up

Wednesday, January 21, 2015 4:15 PM (15 minutes)

Finalization of next day's program

Contribution ID: 6

Type: **not specified**

Building scientific software communities

Tuesday, January 20, 2015 11:20 AM (20 minutes)

Presenter: KATZ, Dan (UChicago/Argonne)

Session Classification: Software collaboration: Learning from others

Contribution ID: 7

Type: **not specified**

The Software Sustainability Institute

Tuesday, January 20, 2015 12:00 PM (20 minutes)

Presenter: HONG, Neil Chue

Session Classification: Software collaboration: Learning from others

Contribution ID: 16

Type: **not specified**

Astroparticle physics: An LSST perspective

Tuesday, January 20, 2015 2:00 PM (6 minutes)

Presenter: LIM, Kian-Tat (urn:Google)

Session Classification: Community views: Sciences & experiments

Contribution ID: 17

Type: **not specified**

Photon science

Tuesday, January 20, 2015 2:10 PM (6 minutes)

Presenter: Dr PERAZZO, Amedeo (SLAC)

Session Classification: Community views: Sciences & experiments

Contribution ID: **18**

Type: **not specified**

Intensity frontier

Tuesday, January 20, 2015 2:20 PM (6 minutes)

Presenter: POTEKHIN, Maxim (Brookhaven National Laboratory (US))

Session Classification: Community views: Sciences & experiments

Contribution ID: **19**

Type: **not specified**

Belle II

Tuesday, January 20, 2015 2:30 PM (6 minutes)

Presenter: WOOD, Lynn (Pacific Northwest National Laboratory, USA)

Session Classification: Community views: Sciences & experiments

Contribution ID: **20**

Type: **not specified**

ALICE

Tuesday, January 20, 2015 2:40 PM (6 minutes)

Remote presentation

Session Classification: Community views: Sciences & experiments

Contribution ID: 21

Type: **not specified**

ATLAS

Tuesday, January 20, 2015 2:50 PM (6 minutes)

Presenter: Dr MOUNT, Richard Philip (SLAC National Accelerator Laboratory (US))

Session Classification: Community views: Sciences & experiments

Contribution ID: 22

Type: **not specified**

CMS

Tuesday, January 20, 2015 3:00 PM (6 minutes)

Presenter: SEXTON-KENNEDY, Elizabeth (Fermi National Accelerator Lab. (US))

Session Classification: Community views: Sciences & experiments

Contribution ID: 23

Type: **not specified**

LHCb

Tuesday, January 20, 2015 3:10 PM (6 minutes)

Presenter: COUTURIER, Ben (CERN)

Session Classification: Community views: Sciences & experiments

Contribution ID: 24

Type: **not specified**

Theory, generators

Contribution ID: 25

Type: **not specified**

Linear collider

Tuesday, January 20, 2015 3:20 PM (6 minutes)

Presenter: STRUBE, Jan Fridolf (S)

Session Classification: Community views: Sciences & experiments

Contribution ID: 26

Type: **not specified**

Future circular collider

Tuesday, January 20, 2015 3:30 PM (6 minutes)

Presenter: HEGNER, Benedikt (CERN)

Session Classification: Community views: Sciences & experiments

Contribution ID: 27

Type: **not specified**

Lessons for successful common software projects

Tuesday, January 20, 2015 4:30 PM (6 minutes)

Presenter: Dr BRUN, Rene (CERN)

Session Classification: Project views: Learning from experience

Contribution ID: 28

Type: **not specified**

A view from ROOT

Tuesday, January 20, 2015 4:40 PM (6 minutes)

Presenter: Dr MATO VILA, Pere (CERN)

Session Classification: Project views: Learning from experience

Contribution ID: 29

Type: **not specified**

A view from Geant4 developers

Tuesday, January 20, 2015 4:50 PM (6 minutes)

Presenter: Dr ASAI, Makoto (SLAC National Accelerator Laboratory (US))

Session Classification: Project views: Learning from experience

Contribution ID: **30**

Type: **not specified**

OSG perspective on managing software stacks

Tuesday, January 20, 2015 5:20 PM (6 minutes)

Remote presentation

Presenter: BOCKELMAN, Brian Paul (University of Nebraska (US))

Session Classification: Project views: Learning from experience

Contribution ID: 31

Type: **not specified**

LCG software stack management

Tuesday, January 20, 2015 5:30 PM (6 minutes)

Presenter: HEGNER, Benedikt (CERN)

Session Classification: Project views: Learning from experience

Contribution ID: 32

Type: **not specified**

Fermilab's vision of a Software Ecosystem

Tuesday, January 20, 2015 5:40 PM (6 minutes)

Presenter: KOWALKOWSKI, Jim (Fermilab)

Session Classification: Project views: Learning from experience

Contribution ID: 33

Type: **not specified**

Fermilab's contribution to the HSF

Tuesday, January 20, 2015 5:50 PM (6 minutes)

Presenter: CANAL, Philippe (Fermi National Accelerator Lab. (US))

Session Classification: Project views: Learning from experience

Contribution ID: 34

Type: **not specified**

Gaudi common framework evolution

Tuesday, January 20, 2015 6:00 PM (6 minutes)

Presenter: CLEMENCIC, Marco (CERN)

Session Classification: Project views: Learning from experience

Contribution ID: 35

Type: **not specified**

Common software needs and opportunities for HPCs

Wednesday, January 21, 2015 9:00 AM (6 minutes)

Presenter: LE COMPTE, Thomas (Argonne National Laboratory (US))

Session Classification: Community views: Common software needs & opportunities

Contribution ID: 36

Type: **not specified**

PyROOT, cppy, and the Python ecosphere

Wednesday, January 21, 2015 9:10 AM (6 minutes)

Presenter: LAVRIJSEN, Wim (Lawrence Berkeley National Lab. (US))

Session Classification: Community views: Common software needs & opportunities

Contribution ID: 37

Type: **not specified**

Experience & perspective from the Concurrency Forum

Wednesday, January 21, 2015 9:20 AM (6 minutes)

Presenter: Dr MATO VILA, Pere (CERN)

Session Classification: Community views: Common software needs & opportunities

Contribution ID: **38**

Type: **not specified**

Vac Project views on HSF

Wednesday, January 21, 2015 9:30 AM (6 minutes)

Presenter: MCNAB, Andrew (University of Manchester (GB))

Session Classification: Community views: Common software needs & opportunities

Contribution ID: 41

Type: **not specified**

Needs and considerations for a consortium of particle accelerator modeling

Wednesday, January 21, 2015 11:00 AM (6 minutes)

Presenter: VAY, Jean-Luc (Lawrence Berkeley National Laboratory)

Session Classification: New project initiatives

Contribution ID: 42

Type: **not specified**

Public repository with theoretical predictions for HEP community

Wednesday, January 21, 2015 11:50 AM (6 minutes)

Remote presentation

Presenter: CHEKANOV, Sergei (Argonne National Laboratory (US))

Session Classification: New project initiatives

Contribution ID: 43

Type: **not specified**

Belle II's conditions database

Wednesday, January 21, 2015 11:10 AM (6 minutes)

Presenter: WOOD, Lynn (Pacific Northwest National Laboratory, USA)

Session Classification: New project initiatives

Contribution ID: 44

Type: **not specified**

Fine grained processing with an Event Service

Wednesday, January 21, 2015 11:30 AM (6 minutes)

Presenters: Dr WENAUS, Torre (Brookhaven National Laboratory (US)); TSULAIA, Vakho (Lawrence Berkeley National Lab. (US))

Session Classification: New project initiatives

Contribution ID: 45

Type: **not specified**

Building a HEP software knowledge base

Wednesday, January 21, 2015 11:40 AM (6 minutes)

Presenters: VIREN, Brett (Brookhaven National Laboratory); Dr WENAUS, Torre (Brookhaven National Laboratory (US))

Session Classification: New project initiatives

Contribution ID: 47

Type: **not specified**

US DOE

Wednesday, January 21, 2015 12:00 PM (6 minutes)

Presenter: CHATTERJEE, Lali (DOE HEP Computing)

Session Classification: National, agency and Institution Views

Contribution ID: 48

Type: **not specified**

US NSF

Presenter: KATZ, Dan (UChicago/Argonne)

Contribution ID: 49

Type: **not specified**

CERN and WLCG

Wednesday, January 21, 2015 12:10 PM (6 minutes)

Presenter: BIRD, Ian (CERN)

Session Classification: National, agency and Institution Views

Contribution ID: 50

Type: **not specified**

Geant4

Thursday, January 22, 2015 1:30 PM (40 minutes)

Session Classification: HSF-community discussions

Contribution ID: 51

Type: **not specified**

Photon science

Thursday, January 22, 2015 2:10 PM (40 minutes)

Session Classification: HSF-community discussions

Contribution ID: 52

Type: **not specified**

Astroparticle physics

Thursday, January 22, 2015 1:00 PM (30 minutes)

Session Classification: HSF-community discussions

Contribution ID: 53

Type: **not specified**

Computing systems roadmap and its impact on software development

Tuesday, January 20, 2015 5:00 PM (6 minutes)

Presenter: ERNST, Michael

Session Classification: Project views: Learning from experience

Contribution ID: 54

Type: **not specified**

Japan and KEK

Wednesday, January 21, 2015 12:20 PM (6 minutes)

Presenter: SASAKI, Takashi (High Energy Accelerator Research Organization (JP))

Session Classification: National, agency and Institution Views

Contribution ID: 57

Type: **not specified**

Lessons learned from FreeHEP

Tuesday, January 20, 2015 6:10 PM (6 minutes)

Presenter: JOHNSON, Tony (SLAC)

Session Classification: Project views: Learning from experience

Contribution ID: 58

Type: **not specified**

SLAC workflow engine and data catalog

Wednesday, January 21, 2015 11:20 AM (6 minutes)

Presenter: VAN KLAVEREN, Brian (SLAC National Lab)

Session Classification: New project initiatives

Contribution ID: 59

Type: **not specified**

Data preservation

Wednesday, January 21, 2015 9:40 AM (6 minutes)

Presenter: VALASSI, Andrea (CERN)

Session Classification: Community views: Common software needs & opportunities

Contribution ID: **62**

Type: **not specified**

INFN

Wednesday, January 21, 2015 12:30 PM (6 minutes)

Presenter: MENASCE, Dario (Universita & INFN, Milano-Bicocca (IT))

Session Classification: National, agency and Institution Views

Contribution ID: **63**

Type: **not specified**

Advanced web tools (plus short statement from INAF)

Wednesday, January 21, 2015 9:50 AM (6 minutes)

Presenter: MENASCE, Dario (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Community views: Common software needs & opportunities

Contribution ID: **64**

Type: **not specified**

DAQ, Controls and Monitoring

Wednesday, January 21, 2015 10:00 AM (6 minutes)

Presenter: MAZZITELLI, Giovanni (INFN)

Session Classification: Community views: Common software needs & opportunities

Contribution ID: 65

Type: **not specified**

fads: a fast detector simulation toolkit

Wednesday, January 21, 2015 10:50 AM (6 minutes)

Remote presentation

Presenter: Dr BINET, Sebastien (IN2P3/LAL)

Session Classification: New project initiatives

Contribution ID: **66**

Type: **not specified**

Software Stacks used by the Dayabay Experiment

Tuesday, January 20, 2015 5:10 PM (6 minutes)

Presenter: Dr PATTON, Simon (LAWRENCE BERKELEY NATIONAL LABORATORY)

Session Classification: Project views: Learning from experience

Contribution ID: 67

Type: **not specified**

Perspective on teaching software

Wednesday, January 21, 2015 10:10 AM (6 minutes)

Presenter: HEGNER, Benedikt (CERN)

Session Classification: Community views: Common software needs & opportunities