HEP Software Foundation Workshop

Report of Contributions

Contribution ID: **0** Type: **not specified**

HSF Status

Monday, 2 May 2016 14:10 (25 minutes)

Achievements since SLAC workshop

Summary

Presenter: MATO VILA, Pere (CERN)

Session Classification: HSF Status

Contribution ID: **1**   Type: **not specified**

Feedback from the Experiments

Contribution ID: **2**   Type: **not specified**

SW Packaging: Spack Introduction and Coding Sprint

Spack has received an extremely enthusiastic reception in the HSF packaging group that has looked at 8 or so packaging systems over close to a year of meetings and studies. Spack accordingly could be a useful target for educating the community and bootstrapping tools around it in a focused session and coding sprint.

Presenters: HEGNER, Benedikt (CERN); SEXTON-KENNEDY, Elizabeth (Fermi National Accelerator Lab. (US))

Contribution ID: **3**   Type: **not specified**

Knowledge Base and Training: Bootstrapping Information Gathering

After an intro/tutorial, in real time gather knowledge base and training content and populate hep-software.org knowledge base, and WikiToLearn training/tutorial site.

Presenters: MENASCE, Dario (Universita & INFN, Milano-Bicocca (IT)); WENAUS, Torre (Brookhaven National Laboratory (US))

Contribution ID: **4**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Machine Learning

Presenter: ROUSSEAU, David (LAL-Orsay, FR)

Contribution ID: **5** Type: **not specified**

Concurrency and New Architectures

Contribution ID: **6**   Type: **not specified**

Project Incubator

Discussion with projects on next step for the HSF project incubator

Contribution ID: **7**　　　　　　　　　　　　　　Type: **not specified**

Licensing

Discussion around licensing after the release of the Technical Note first version: uncovered use cases, projects with concrete issues…

Contribution ID: **8**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

New Initiatives

Wednesday, 4 May 2016 14:00 (1 hour)

Follow-up on workshop discussions/plans, community roadmap, SW&C journal…

Summary

Session Classification: HSF Next Steps

Contribution ID: **9**   Type: **not specified**

Wrap-Up

Wednesday, 4 May 2016 16:00 (30 minutes)

Summary

Meeting at CHEP?

Session Classification: HSF Next Steps

Contribution ID: **10**   Type: **not specified**

Mini-Workshop/Hackaton Summaries

Test

Contribution ID: **11** Type: **not specified**

Test

Contribution ID: **12**   Type: **not specified**

Bioconductor: Open software for Bioinformatics

Monday, 2 May 2016 16:45 (20 minutes)

Presenter: HUBER, Wolfgang (EMBL)

Session Classification: Learning from Other Communities

Contribution ID: **13**   Type: **not specified**

Future Conditions DB

Monday, 2 May 2016 15:00 (15 minutes)

Presenter: FORMICA, Andrea (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Session Classification: News from Projects

Contribution ID: **14** Type: **not specified**

AIDA2020 WP3

Monday, 2 May 2016 15:15 (15 minutes)

Presenter: GAEDE, Frank-Dieter (Deutsches Elektronen-Synchrotron (DE))

Session Classification: News from Projects

Contribution ID: **16**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Introduction

Tuesday, 3 May 2016 09:00 (5 minutes)

Presenters:　ROUSSEAU, David (LAL-Orsay, FR);　Dr VLIMANT, Jean-Roch (California Institute of Technology (US))

Session Classification:　Machine Learning

Contribution ID: **17**　　　　　　　　　　　　　　　　　　Type: **not specified**

Report from openLab ML workshop

Tuesday, 3 May 2016 09:35 (20 minutes)

Presenter:　GIRONE, Maria (CERN)

Session Classification:　Machine Learning

Contribution ID: **18**   Type: **not specified**

TMVA, Root-R, Root SciKit-learn

Tuesday, 3 May 2016 10:00 (20 minutes)

Presenter: MONETA, Lorenzo (CERN)

Session Classification: Machine Learning

Contribution ID: **19** Type: **not specified**

Experience with Theano/Keras

Tuesday, 3 May 2016 11:10 (20 minutes)

Presenter: PAGANINI, Michela (Yale University (US))

Session Classification: Machine Learning

Contribution ID: **20**　　　　　　　　　　　　　　　　Type: **not specified**

Everware and yandex' rep

Tuesday, 3 May 2016 10:25 (20 minutes)

Presenter: USTYUZHANIN, Andrey (Yandex School of Data Analysis (RU))

Session Classification: Machine Learning

Contribution ID: **21**   Type: **not specified**

Codalab, a challenge platform on MS Azure

Presenter: GUYON, Isabelle

Contribution ID: **22**   Type: **not specified**

Challenges and beyond, RAMP (ML oriented hackathon platform)

Presenter: KÉGL, Balázs (Linear Accelerator Laboratory)

Contribution ID: **23**   Type: **not specified**

Open Data

Tuesday, 3 May 2016 11:35 (20 minutes)

Presenter: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Session Classification: Machine Learning

Contribution ID: **24**   Type: **not specified**

Open Sim : ACTS, A Common Tracking Software

Tuesday, 3 May 2016 12:00 (20 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Machine Learning

Contribution ID: **25**   Type: **not specified**

Interexperiment Machine Learning group and HSF

Tuesday, 3 May 2016 12:25 (20 minutes)

Summary

Presenters: FLORIS, Michele (CERN); Dr GLEYZER, Sergei (University of Florida (US)); SCHRAMM, Steven Randolph (Universite de Geneve (CH)); HEAD, Tim (The University of Manchester)

Session Classification: Machine Learning

Contribution ID: **26**　　　　　　　　　　　　　　　　　　Type: **not specified**

Netherlands eScience Center

Monday, 2 May 2016 17:05 (20 minutes)

Summary

Presenter:　REMENSKA, Daniela (NIKHEF (NL))

Session Classification:　Learning from Other Communities

Contribution ID: **27** Type: **not specified**

Community White Paper: a roadmap for the HSF?

Monday, 2 May 2016 14:35 (25 minutes)

Presenter: ELMER, Peter (Princeton University (US))

Session Classification: HSF Status

Contribution ID: **28**   Type: **not specified**

DIANA/HEP

Monday, 2 May 2016 15:30 (15 minutes)

Presenter: ELMER, Peter (Princeton University (US))

Session Classification: News from Projects

Contribution ID: **29**   Type: **not specified**

Depsy

Monday, 2 May 2016 17:25 (20 minutes)

Summary

Primary author: PRIEM, Jason (Impactstory)

Presenter: PRIEM, Jason (Impactstory)

Session Classification: Learning from Other Communities

Contribution ID: **30**   Type: **not specified**

Knowledge Base

Monday, 2 May 2016 15:45 (15 minutes)

Presenter: WENAUS, Torre (Brookhaven National Laboratory (US))

Session Classification: News from Projects

Contribution ID: **31** Type: **not specified**

WikiToLearn

Monday, 2 May 2016 16:00 (15 minutes)

Presenter: IACONELLI, Riccardo Giulio (Universita & INFN, Milano-Bicocca (IT))

Session Classification: News from Projects

Contribution ID: **32**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Community Roadmap

Wednesday, 4 May 2016 15:00 (1 hour)

Discuss possibility and contents of a community roadmap reflecting our computing challenges and that could be used as a reference by projects and in discussion with Funding Agencies

Session Classification: HSF Next Steps

Contribution ID: **33**   Type: **not specified**

Machine Learning Hackathon (RAMP) on Anomaly Detection

Summary

Suppose you have two datasets which are supposed to be identical. For example MC production v1, MC production v2; data of yesterday, data of today. How to detect differences ? This is done typically by comparing rates, or manually defined histograms. How to do this in an automatized, Machine Learning way ? The objective will be to detect differences between two datasets, identical except for introduced manipulations. The RAMP platform allows participants to collaborate to achieve this goal.

Presenters: KÉGL, Balázs (Linear Accelerator Laboratory); ROUSSEAU, David (LAL-Orsay, FR); Dr VLIMANT, Jean-Roch (California Institute of Technology (US))

Contribution ID: **34**   Type: **not specified**

Deep Learning Implications for HEP Software & Computing

Tuesday, 3 May 2016 09:05 (25 minutes)

Presenter: FARBIN, Amir (University of Texas at Arlington (US))

Session Classification: Machine Learning

Contribution ID: **35**   Type: **not specified**

Challenges and beyond, RAMP (ML oriented hackathon platform)

Tuesday, 3 May 2016 14:00 (20 minutes)

Presenter: KÉGL, Balázs (Linear Accelerator Laboratory)

Session Classification: RAMP

Contribution ID: **36**　　　　　　　　　　　　　　　　　　Type: **not specified**

Codalab, a challenge platform on MS Azure

Tuesday, 3 May 2016 14:25 (10 minutes)

Presenter: GUYON, Isabelle

Session Classification: RAMP

Contribution ID: **37**   Type: **not specified**

Anomaly Detection : setting the stage

Tuesday, 3 May 2016 14:40 (15 minutes)

Summary

Session Classification: RAMP

Contribution ID: **38**　　　　　　　　　　　　　　　　　　Type: **not specified**

Anomaly Detection : hands on

Tuesday, 3 May 2016 15:00 (2h 30m)

Session Classification: RAMP

Contribution ID: **39**   Type: **not specified**

Panel discussion

Wednesday, 4 May 2016 11:15 (1h 15m)

Mail goal is to organize ourselves around activity areas with proto-working groups in these activity areas, with an early objective for these working groups to organize sessions at a follow-on dedicated (and more hands-on than this session can be) software concurrency/performance workshop in a few months.

Summary

Session Classification: Software Performance

Contribution ID: **40** Type: **not specified**

ATLAS

Wednesday, 4 May 2016 09:15 (15 minutes)

Summary

Presenter: STEWART, Graeme (University of Glasgow (GB))

Session Classification: Software Performance

Contribution ID: **41** Type: **not specified**

ALICE

Wednesday, 4 May 2016 09:00 (15 minutes)

Summary

Presenter: ROHR, David (Johann-Wolfgang-Goethe Univ. (DE))

Session Classification: Software Performance

Contribution ID: **42**   Type: **not specified**

CMS

Wednesday, 4 May 2016 09:30 (15 minutes)

Summary

Presenter: LANGE, David (Princeton University (US))

Session Classification: Software Performance

Contribution ID: **43** Type: **not specified**

LHCb

Session Classification: Software Performance

Contribution ID: 44   Type: **not specified**

Root

Wednesday, 4 May 2016 10:00 (15 minutes)

Summary

Presenter: MATO VILA, Pere (CERN)

Session Classification: Software Performance

Contribution ID: 45   Type: **not specified**

Astro

Wednesday, 4 May 2016 09:45 (15 minutes)

Summary

Presenter: Mr OLIVIER, Iffrig (CEA/Irfu/AIM)

Session Classification: Software Performance

Contribution ID: **46**   Type: **not specified**

Geant

Wednesday, 4 May 2016 10:15 (15 minutes)

Summary

Presenter: APOSTOLAKIS, John (CERN)

Session Classification: Software Performance

Contribution ID: 47   Type: **not specified**

Art/LArSoft

Wednesday, 4 May 2016 10:30 (15 minutes)

Summary

Presenters: KOWALKOWSKI, Jim (Fermilab); PATERNO, Marc (Fermi National Accelerator Laboratory (FNAL)); PATERNO, Marc (Fermilab)

Session Classification: Software Performance

Contribution ID: 48   Type: **not specified**

Introduction

Tuesday, 3 May 2016 14:00 (20 minutes)

Presenter: Dr GARTUNG, Patrick (Fermilab (US))

Session Classification: Packaging

Contribution ID: 49

Type: **not specified**

Introduction

Monday, 2 May 2016 14:00 (10 minutes)

Contribution ID: **50**   Type: **not specified**

HSF Project Discussion Session

Monday, 2 May 2016 10:30 (20 minutes)

Presenter: HEGNER, Benedikt (CERN)

Session Classification: Project Support in HSF