Workshop for the USATLAS-USCMS HPC/Cloud Blueprint

Report of Contributions

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

Introduction

Monday 26 September 2022 10:00 (20 minutes)

Presenters: HUFNAGEL, Dirk (Fermi National Accelerator Lab. (US)); BARREIRO MEGINO, Fernando Harald (University of Texas at Arlington); HURTADO ANAMPA, Kenyi Paolo (University of Notre Dame (US)); BRYANT, Lincoln (University of Chicago (US))

Session Classification: First Day Morning

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

High Level Current Landscape and Use - HPC

Monday 26 September 2022 10:20 (20 minutes)

Session Classification: First Day Morning

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

High Level Current Landscape and Use - Cloud

Monday 26 September 2022 10:40 (20 minutes)

Session Classification: First Day Morning

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

Resource Acquisition and Operations

Monday 26 September 2022 11:20 (20 minutes)

Session Classification: First Day Morning

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

Discussion

Monday 26 September 2022 11:40 (20 minutes)

Session Classification: First Day Morning

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

Current Landscape and Use

Monday 26 September 2022 13:00 (20 minutes)

Session Classification: First Day Afternoon

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

Cost

Monday 26 September 2022 14:10 (20 minutes)

Session Classification: First Day Afternoon

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

European HPC

Monday 26 September 2022 13:20 (30 minutes)

Presenter: FILIPCIC, Andrej (Jozef Stefan Institute (SI))

Session Classification: First Day Afternoon

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

Discussion

Monday 26 September 2022 14:30 (30 minutes)

Session Classification: First Day Afternoon

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

Current Landscape and Use

Tuesday 27 September 2022 10:00 (20 minutes)

ATLAS - (Google Project, AWS)
CMS - (Lancium, Scale testing)

Session Classification: Second Day Morning

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

Cost

Tuesday 27 September 2022 10:20 (20 minutes)

Effort
Support infrastructure
Outlook

Session Classification: Second Day Morning

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

Strategic Considerations

Tuesday 27 September 2022 10:40 (20 minutes)

Session Classification: Second Day Morning

Contribution ID: 15　　　　　　　　　　　　　　　　　Type: **not specified**

Discussion

Tuesday 27 September 2022 11:00 (1 hour)

Session Classification: Second Day Morning

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

Impacts of Expanded HPC/Cloud Use

Tuesday 27 September 2022 13:20 (20 minutes)

Session Classification: Second Day Afternoon

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

R&D

Tuesday 27 September 2022 13:00 (20 minutes)

LCF integration - GPUs
Machine Learning
Unique cloud offerings
Architectures - FPGA, ARM
BigQuery/BigTable
Functions-as-a-service

Session Classification: Second Day Afternoon

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

Discussion

Tuesday 27 September 2022 14:00 (1 hour)

Session Classification: Second Day Afternoon

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

Accounting / Pledging

Wednesday 28 September 2022 10:00 (30 minutes)

Session Classification: Third Day Morning

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

Security Topics (WLCG, DOE)

Wednesday 28 September 2022 10:30 (30 minutes)

Authentication, Identity Management on Cloud and HPC
CA Certificate Issues
Google/Amazon CAs aren't trusted by IGTF

Session Classification: Third Day Morning

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

Discussion

Wednesday 28 September 2022 11:00 (1 hour)

Session Classification: Third Day Morning

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

Invited contribution from Vera Rubin. Cloud experience and plans

Wednesday 28 September 2022 13:00 (20 minutes)

Presenter: LIM, Kian-Tat (SLAC National Accelerator Lab/Vera C. Rubin Observatory)

Session Classification: Third Day Afternoon

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

Policy, Follow-up

Wednesday 28 September 2022 13:20 (20 minutes)

What features/policies would help CMS/ATLAS adopt cloud/HPC resources?
- Greatly reduced egress fees?
- Ease of access to allocations (vs competitive proposals)

Session Classification: Third Day Afternoon

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

Discussion

Wednesday 28 September 2022 13:40 (1h 20m)

Session Classification: Third Day Afternoon

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

Network Integration HPC/Cloud

Tuesday 27 September 2022 13:40 (20 minutes)

Session Classification: Second Day Afternoon

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

NERSC presentation

Monday 26 September 2022 11:00 (20 minutes)

NERSC update / Workshop for the USATLAS-USCMS HPC/Cloud Blueprint

Presenter: BHIMJI, Wahid (Lawrence Berkeley National Lab. (US))

Session Classification: First Day Morning

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

ANL update

Monday 26 September 2022 13:50 (20 minutes)

ANL update

Presenter: CHILDERS, Taylor (Argonne National Laboratory (US))

Session Classification: First Day Afternoon