ATLAS Distributed Computing Technical Interchange Meeting

Report of Contributions

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

LHCONE status

Tuesday 14 May 2013 15:35 (20 minutes)

Presenter: BARCZYK, Artur Jerzy (California Institute of Technology (US))

Session Classification: Dedicated meeting with Japanese NREN

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

ATLAS Data Flow

Tuesday 14 May 2013 14:00 (1 hour)

Presenters: LANCON, Eric Christian (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR)); CAMPANA, Simone (CERN); JEZEQUEL, Stephane (Centre National de la Recherche Scientifique (FR))

Session Classification: Dedicated meeting with Japanese NREN

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

SINET connections to Europe and US

Tuesday 14 May 2013 15:55 (20 minutes)

Presenter: Prof. AOKI, Michihiro (NII (JP))

Session Classification: Dedicated meeting with Japanese NREN

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

Update on networking in the US

Tuesday 14 May 2013 15:00 (20 minutes)

Presenter: ERNST, Michael (Unknown)

Session Classification: Dedicated meeting with Japanese NREN

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

Monte-Carlo production wish list, constraints of current system, MC prod manager tools

Thursday 16 May 2013 09:00 (20 minutes)

Presenter: EHRENFELD, Wolfgang (Universitaet Bonn (DE))

Session Classification: Producton System. plenary session

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

Group production wish list, missing tools, monitoring

Thursday 16 May 2013 09:20 (20 minutes)

Presenters:　Ms OZTURK, Nurcan (University of Texas at Arlington);　LAYCOCK, Paul James (University of Liverpool (GB))

Session Classification:　Producton System. plenary session

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

ATLAS meta-data : present and future. ADC software components and meta-data

Thursday 16 May 2013 09:40 (20 minutes)

Presenter: Dr MALON, David (Argonne National Laboratory (US))

Session Classification: Producton System. plenary session

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

DEFT. Status. Near term and 2014 plans

Thursday 16 May 2013 10:00 (20 minutes)

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

Session Classification: Producton System. plenary session

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

JEDI. Alpha version. Status and plans

Thursday 16 May 2013 10:20 (30 minutes)

Presenter: MAENO, Tadashi (Brookhaven National Laboratory (US))

Session Classification: Producton System. plenary session

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

Database aspects of ATLAS distributed computing

Thursday 16 May 2013 11:10 (20 minutes)

Presenter: DIMITROV, Gancho (CERN)

Session Classification: Producton System. plenary session

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

Event service and other new features.

Thursday 16 May 2013 11:30 (20 minutes)

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

Session Classification: Producton System. plenary session

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

List of topics for afternoon session

Thursday 16 May 2013 11:50 (20 minutes)

Session Classification: Producton System. plenary session

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

Production System 2 : Technical Design Report

Thursday 16 May 2013 13:00 (40 minutes)

Presenters: POTEKHIN, Maxim (Brookhaven National Laboratory (US));   VANYASHIN, Sasha (Argonne National Laboratory (US))

Session Classification: Producton System. plenary session

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

Round table discussion

Thursday 16 May 2013 14:00 (2 hours)

Session Classification: Producton System. plenary session

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

ATLAS Use Cases requiring Network Services

Wednesday 15 May 2013 10:00 (15 minutes)

Presenter: CAMPANA, Simone (CERN)

Session Classification: Networks in Production and Analysis Workflows

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

Data Transfer Scheduling with FTS 3

Wednesday 15 May 2013 10:15 (30 minutes)

- Introduction, status and deployment models

- How will Rucio use and interact with FTS 3?

- What is the right level for "network-awareness" - the transfer scheduler (FTS) or the DDM layer?

Presenters: DI GIROLAMO, Alessandro (CERN); SERFON, Cedric (CERN)

Session Classification: Networks in Production and Analysis Workflows

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

Transparency in Networks - End-to-End Performance Data Collection/Aggregation and Problem Diagnositics with perfSONAR

Wednesday 15 May 2013 10:45 (25 minutes)

Where are we regarding deployment, functionality, benefit and what is missing?

Presenter: MC KEE, Shawn (University of Michigan (US))

Session Classification: Networks in Production and Analysis Workflows

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

Setting up Federated Data Stores - What is the recommended configuration?

Wednesday 15 May 2013 11:10 (50 minutes)

Presenters: VUKOTIC, Ilija (University of Chicago (US)); BHIMJI, Wahid (University of Edinburgh (GB)); YANG, Wei (SLAC National Accelerator Laboratory (US))

Session Classification: Networks in Production and Analysis Workflows

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

Communication needs in agile computing environments

We can dynamically acquire 1000's of processors from commercial clouds, but can we also get adequate network connectivity, just in time we need it?

Presenter: ERNST, Michael (BNL)

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

Site Configuration and Transfer Performance in the Wide Area Network environment

Wednesday 15 May 2013 13:20 (25 minutes)

Are our transfer engines delivering optimal per-stream performance, what is limiting the performance?

Presenter: ITO, Hironori (BNL)

Session Classification: Networks in Production and Analysis Workflows

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

Wide Area Network Data Access Requirements in Analysis

Wednesday 15 May 2013 13:45 (45 minutes)

- Data movement in end-to-end analysis work flows

- Implications of the new analysis model proposed by the Analysis Model Study Group

- How much data do we replicate through PD2P (for long-term usage) vs. planned replication? What would be the right mix in the future given limited disk space?

Presenter: BENJAMIN, Doug (Duke University (US))

Session Classification: Networks in Production and Analysis Workflows

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

Specifying the ATLAS Network Needs - an open discussion guided by some fundamental questions

Wednesday 15 May 2013 15:30 (1 hour)

- How much networking do we need? Can we deduce the future needs by looking at what we have used in the past?

- Is it sufficient to be agnostic/reactive and use what's been offered to ATLAS, or would there be an advantage of being proactive?

- Potential of Network-aware Applications in ATLAS - what would be the benefits and what are suitable areas?

Presenter: ERNST, Michael (Unknown)

Session Classification: Networks in Production and Analysis Workflows

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

LHCONE for Tokyo

Tuesday 14 May 2013 16:15 (20 minutes)

Presenter: NAKAMURA, Tomoaki (University of Tokyo (JP))

Session Classification: Dedicated meeting with Japanese NREN

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

Summary of LHCONE Point-to-Point Workshop and Discusson on SDN

Wednesday 15 May 2013 14:30 (20 minutes)

Presenter:　BARCZYK, Artur Jerzy (California Institute of Technology (US))

Session Classification:　Networks in Production and Analysis Workflows

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

Communication needs in agile computing environments

Wednesday 15 May 2013 13:00 (20 minutes)

We can dynamically acquire 1000's of processors from commercial clouds, but can we also get adequate network connectivity, just in time we need it?

Presenter: ERNST, Michael (Unknown)

Session Classification: Networks in Production and Analysis Workflows

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

Group Production and AMSG comments to TDR

Thursday 16 May 2013 13:40 (20 minutes)

Presenter: LAYCOCK, Paul James (University of Liverpool (GB))

Session Classification: Producton System. plenary session

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

Overview of the SINET

Wednesday 15 May 2013 14:50 (20 minutes)

Presenter: Prof. NAKAMURA, Motonori (NII)

Session Classification: Networks in Production and Analysis Workflows

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

Summary of HPC Prospects across ATLAS

Friday 17 May 2013 10:00 (20 minutes)

Presenter: LANCON, Eric Christian (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Session Classification: Leadership and High-Performance Computing

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

Experience with the BlueGene at ANL

Friday 17 May 2013 10:20 (20 minutes)

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

Session Classification: Leadership and High-Performance Computing

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

Experience with HPC systems in Europe

Friday 17 May 2013 10:40 (20 minutes)

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

Session Classification: Leadership and High-Performance Computing

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

Plans for exploitation of the ORNL Titan machine

Friday 17 May 2013 11:00 (20 minutes)

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

Session Classification: Leadership and High-Performance Computing

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

Integrating HPC into the ATLAS Distributed Computing environment

Friday 17 May 2013 11:20 (20 minutes)

Presenter: BENJAMIN, Doug (Duke University (US))

Session Classification: Leadership and High-Performance Computing

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

Discussion

Friday 17 May 2013 11:40 (20 minutes)

Session Classification: Leadership and High-Performance Computing

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

Introduction

Wednesday 15 May 2013 09:30 (10 minutes)

Presenter: Dr KLIMENTOV, Alexei (Brookhaven National Laboratory (US))

Session Classification: Introduction

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

Welcome

Wednesday 15 May 2013 09:40 (10 minutes)

Presenter:　SAKAMOTO, Hiroshi (University of Tokyo (JP))

Session Classification:　Introduction

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

Tokyo Tier2

Wednesday 15 May 2013 09:50 (10 minutes)

Presenter:　NAKAMURA, Tomoaki (University of Tokyo (JP))

Session Classification:　Introduction