

# **ATLAS Distributed Computing Technical Interchange Meeting**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Welcome from Stony Brook University, Brookhaven National Lab and US ATLAS**

*Tuesday 21 January 2025 14:10 (15 minutes)*

**Presenters:** KLIMENTOV, Alexei (Brookhaven National Laboratory (US)); BEE, Chris (Stony Brook University (US)); WENAU, Torre (Brookhaven National Laboratory (US))

**Session Classification:** Introduction

Contribution ID: 2

Type: **not specified**

## TIM Goals

*Tuesday 21 January 2025 14:40 (20 minutes)*

**Presenters:** KLIMENTOV, Alexei (Brookhaven National Laboratory (US)); Dr PACHECO PAGES, Andreu (Institut de Física d'Altes Energies - Barcelona (ES)); LASSNIG, Mario (CERN); MC KEE, Shawn (University of Michigan (US)); WENAUS, Torre (Brookhaven National Laboratory (US))

**Session Classification:** Introduction

Contribution ID: 3

Type: **not specified**

## Logistics

*Tuesday 21 January 2025 14:25 (15 minutes)*

**Presenter:** BEE, Chris (Stony Brook University (US))

**Session Classification:** Introduction

Contribution ID: 4

Type: **not specified**

## **Mini-workshop on WMS and Distributed Computing Modeling (BNL)**

*Thursday 23 January 2025 14:00 (3 hours)*

Workshop to discuss REDWOOD topics.

BNL Computing and Science Directorate. Bldg.725 Conference room A

**Presenters:** SUTER, Frederic; KILIC, Ozgur Ozan (Brookhaven National Laboratory); NILSSON, Paul (Brookhaven National Laboratory (US)); KHAN, Raees Ahmad (University of Pittsburgh (US)); SRI VATSAVAI, Sairam (BNL); DUTTA, Sankha (BNL); Dr CHOWDHURY, Tasnuva (Brookhaven National Laboratory (US)); KORCHUGANOVA, Tatiana (University of Pittsburgh (US)); REN, Yihui (Brookhaven National Laboratory (US))

Contribution ID: 5

Type: **not specified**

## USATLAS WBS 2.3 Topics

*Tuesday 21 January 2025 15:00 (30 minutes)*

**Presenter:** LUEHRING, Fred (Indiana University (US))

**Session Classification:** Distributed Computing Operations: Issues and Challenges

Contribution ID: 6

Type: **not specified**

## **ePIC/EIC Software & Computing, and AI/ML at BNL**

*Wednesday 22 January 2025 16:00 (30 minutes)*

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

**Session Classification:** Improving our support tasks: AI and GenML, documentation, communication

Contribution ID: 7

Type: **not specified**

## **A site view on potential ops automation**

*Wednesday 22 January 2025 11:10 (30 minutes)*

**Presenter:** BENJAMIN, Doug (Brookhaven National Laboratory (US))

**Session Classification:** Distributed Computing Operations: Automations and Future Plan



Contribution ID: 8

Type: **not specified**

## Proposals from DPA

*Wednesday 22 January 2025 10:05 (30 minutes)*

**Presenters:** WALKER, Rodney (Ludwig Maximilians Universitat (DE)); WILKEN, Timo (University of Texas at Arlington (US))

**Session Classification:** Distributed Computing Operations: Automations and Future Plan

Contribution ID: 9

Type: **not specified**

## Proposals from DDM

*Wednesday 22 January 2025 10:35 (20 minutes)*

**Presenter:** DI MAIO, Riccardo (CERN)

**Session Classification:** Distributed Computing Operations: Automations and Future Plan

Contribution ID: **10**

Type: **not specified**

## Central ADC proposals

*Wednesday 22 January 2025 09:35 (30 minutes)*

**Presenter:** GLUSHKOV, Ivan (Brookhaven National Laboratory (US))

**Session Classification:** Distributed Computing Operations: Automations and Future Plan

Contribution ID: 11

Type: **not specified**

## ADC Communications and Documentation

*Wednesday 22 January 2025 15:30 (30 minutes)*

**Presenter:** LASSNIG, Mario (CERN)

**Session Classification:** Improving our support tasks: AI and GenML, documentation, communication

Contribution ID: 12

Type: **not specified**

## AI and GenML and Distributed Computing Operations and SW stack

*Wednesday 22 January 2025 14:30 (30 minutes)*

**Presenter:** DE, Kaushik (University of Texas at Arlington (US))

**Session Classification:** Improving our support tasks: AI and GenML, documentation, communication

Contribution ID: 13

Type: **not specified**

## US Mini Data Challenges

*Thursday 23 January 2025 10:30 (30 minutes)*

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

**Session Classification:** Mini data challenges and system modelling

Contribution ID: 14

Type: **not specified**

## System modelling

*Thursday 23 January 2025 09:30 (30 minutes)*

**Presenter:** NILSSON, Paul (Brookhaven National Laboratory (US))

**Session Classification:** Mini data challenges and system modelling

Contribution ID: 15

Type: **not specified**

## Experience with UChicago AF support using ChatGPT

*Wednesday 22 January 2025 16:30 (30 minutes)*

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

**Session Classification:** Improving our support tasks: AI and GenML, documentation, communication



Contribution ID: 16

Type: **not specified**

## Project planning

*Thursday 23 January 2025 11:30 (1 hour)*

**Presenter:** LASSNIG, Mario (CERN)

**Session Classification:** Wrap up and action items

Contribution ID: 17

Type: **not specified**

## **Analysis of files in BNL Tape system & NANO Data Challenges**

*Thursday 23 January 2025 10:00 (30 minutes)*

**Presenter:** ITO, Hironori (Brookhaven National Laboratory (US))

**Session Classification:** Mini data challenges and system modelling

Contribution ID: **18**

Type: **not specified**

## AskPanDA

*Wednesday 22 January 2025 15:00 (30 minutes)*

**Presenter:** NILSSON, Paul (Brookhaven National Laboratory (US))

**Session Classification:** Improving our support tasks: AI and GenML, documentation, communication

Contribution ID: 19

Type: **not specified**

## **ARC/ACT/ND Insights [REMOTE, TBC]**

**Presenter:** SMIRNOVA, Oxana (Lund University (SE))

**Session Classification:** Mini data challenges and system modelling

Contribution ID: 20

Type: **not specified**

## Data Carousel & Archive Metadata

*Tuesday 21 January 2025 15:30 (30 minutes)*

**Presenter:** ZHAO, Xin (Brookhaven National Laboratory (US))

**Session Classification:** Distributed Computing Operations: Issues and Challenges

Contribution ID: 21

Type: **not specified**

## Simulating HEP workloads with SimGrid

*Thursday 23 January 2025 09:00 (30 minutes)*

**Presenter:** SUTER, Frederic

**Session Classification:** Mini data challenges and system modelling

Contribution ID: 22

Type: **not specified**

## **Tape and network R&D at NET2 [CANCELLED]**

*Tuesday 21 January 2025 16:00 (30 minutes)*

**Presenters:** BACH, Eduardo (University of Massachusetts (US)); COELHO LOPES DE SA, Rafael (University of Massachusetts (US))

**Session Classification:** Distributed Computing Operations: Issues and Challenges

Contribution ID: 23

Type: **not specified**

## **A Sysadmin's Point of View on Operations**

*Tuesday 21 January 2025 16:30 (30 minutes)*

**Presenter:** STEPHEN, Judith Lorraine (University of Chicago (US))

**Session Classification:** Distributed Computing Operations: Issues and Challenges



Contribution ID: 24

Type: **not specified**

## Distributed analysis with GPU

*Thursday 23 January 2025 11:00 (30 minutes)*

**Presenters:** BACH, Eduardo (University of Massachusetts (US)); COELHO LOPES DE SA, Rafael (University of Massachusetts (US))

**Session Classification:** Mini data challenges and system modelling

Contribution ID: 25

Type: **not specified**

## Discussion on site accounting

*Tuesday 21 January 2025 17:00 (30 minutes)*

**Presenter:** REBATTO, David (Università degli Studi e INFN Milano (IT))

**Session Classification:** Distributed Computing Operations: Issues and Challenges

Contribution ID: 26

Type: **not specified**

## **Introduction : BNL Computing and Data Science Directorate and Scientific Computing and Data Facilities Division**

*Thursday 23 January 2025 14:00 (10 minutes)*

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

**Session Classification:** ATLAS SW&C and ADC coordinators meeting at BNL with SDCC and NPPS staff

Contribution ID: 27

Type: **not specified**

## ATLAS Distributed Computing

*Thursday 23 January 2025 14:10 (20 minutes)*

ADC evolution  
R2R4  
R&D projects

**Presenters:** Dr PACHECO PAGES, Andreu (Institut de Física d'Altes Energies - Barcelona (ES)); LASS-NIG, Mario (CERN)

**Session Classification:** ATLAS SW&C and ADC coordinators meeting at BNL with SDCC and NPPS staff

Contribution ID: 28

Type: **not specified**

## SCDF Groups and WBS 2.3 sub-WBS - discussion topics

*Thursday 23 January 2025 14:30 (45 minutes)*

WBS 2.3 Facilities and Distributed Computing - S.McKee & A.Klimentov

WBS 2.3.1 Tier-1 - A.Klimentov

2.3.1.2 Tier-1 Infrastructure - J.Smith

2.3.1.3 Fabrics - T.Smith

2.3.1.4 Storage - C.Gamboa

2.3.1.3 Tier-1 Operations and Monitoring - I.Glushkov

WBS 2.3.2 Tier-2 centers - F.Luehring & R. Lopes de Sa

WBS 2.3.3 Heterogeneous Integration and Operations R.Wang

2.3.3.2 - Integration of Complex Workflows on Heterogeneous Resources

WBS 2.3.4 Analysis Facilities - O.Rind & W.Yang

2.3.4.1 BNL AF - Q.Huang

WBS 2.3.5 CIOPS - O.Rind

2.3.5.1 ADC Operations - I.Glushkov

SCDF Division Groups

Fabrics - M.Cowan

Storage & Infrastructure - J.Smith

Services - O.Rind

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

**Session Classification:** ATLAS SW&C and ADC coordinators meeting at BNL with SDCC and NPPS staff

Contribution ID: 29

Type: **not specified**

## round table discussion

*Thursday 23 January 2025 15:15 (45 minutes)*

**Session Classification:** ATLAS SW&C and ADC coordinators meeting at BNL with SDCC and NPPS staff

Contribution ID: **30**

Type: **not specified**

## Proposals from WFMS

*Wednesday 22 January 2025 10:55 (15 minutes)*

**Presenters:** BARREIRO MEGINO, Fernando Harald (University of Texas at Arlington); MAENO, Tadashi (Brookhaven National Laboratory (US))

**Session Classification:** Distributed Computing Operations: Automations and Future Plan