

# **South-Caucasus Grid & Cloud Computing Workshop**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **The multi agents architecture of the reasoning system on base grid computing**

*Tuesday 21 October 2014 10:00 (20 minutes)*

**Presenter:** Prof. BOSIKASHVILI, Zurab (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 1

Type: **not specified**

**Talk 2**

Contribution ID: 2

Type: **not specified**

## Talk 3

Contribution ID: 3

Type: **not specified**

## Talk 4

Contribution ID: 5

Type: **not specified**

**Talk 6**

Contribution ID: 6

Type: **not specified**

## Talk 7

Contribution ID: 7

Type: **not specified**

## Talk 8



Contribution ID: 8

Type: **not specified**

**Talk 9**

Contribution ID: 9

Type: **not specified**

**Talk 10**

Contribution ID: **10**

Type: **not specified**

## Talk 11

Contribution ID: **11**

Type: **not specified**

## **Evolution of networks at CERN and in Europe**

*Tuesday 21 October 2014 16:30 (25 minutes)*

**Presenter:** MARTELLI, Edoardo (CERN)

**Session Classification:** Networking for scientific applications

Contribution ID: 14

Type: **not specified**

## **Networks and computing infrastructures for scientific applications in Georgia**

*Tuesday 21 October 2014 17:30 (25 minutes)*

**Presenter:** KVATADZE, Ramaz (GRENA (GE))

**Session Classification:** Networking for scientific applications

Contribution ID: 15

Type: **not specified**

## **ATLAS Distributed Computing: from LHC Run1 to Run2**

*Thursday 23 October 2014 09:00 (40 minutes)*

**Presenters:** Dr BARBERIS, Dario (Università e INFN Genova (IT)); Dr CAMPANA, Simone (CERN)

**Session Classification:** ATLAS Distributed Computing and Applications

Contribution ID: **16**

Type: **not specified**

## **Site Infrastructure: Cloud Computing in Action**

*Thursday 23 October 2014 09:45 (25 minutes)*

**Presenter:** Dr PARDI, Silvio (INFN)

**Session Classification:** ATLAS Distributed Computing and Applications

Contribution ID: 17

Type: **not specified**

## **Evolution of tools dealing with Big Data in ATLAS**



Contribution ID: **18**

Type: **not specified**

## **Use of Databases for ATLAS and Evolution of Conditions Database Infrastructure**

*Thursday 23 October 2014 11:30 (25 minutes)*

**Presenter:** Dr BARBERIS, Dario (Università e INFN Genova (IT))

**Session Classification:** ATLAS Distributed Computing and Applications

Contribution ID: **19**

Type: **not specified**

## **Monitoring ATLAS Distributed Computing Tools and Productions**

*Thursday 23 October 2014 10:15 (25 minutes)*

**Presenter:** SARGSYAN, Laura (ANSL (Yerevan Physics Institute) (AM))

**Session Classification:** ATLAS Distributed Computing and Applications

Contribution ID: 20

Type: **not specified**

## Collaborative Project: COOL Tag Browser

Contribution ID: **21**

Type: **not specified**

## **Collaborative Project: Simulation Loop**

Contribution ID: 22

Type: **not specified**

**Contribution**

Contribution ID: 23

Type: **not specified**

## Contribution

Contribution ID: **24**

Type: **not specified**

## Contribution

Contribution ID: 25

Type: **not specified**

## Contribution



Contribution ID: 26

Type: **not specified**

## **ATLAS Conditions Status - Report from Conditions Coordination**

*Thursday 23 October 2014 12:00 (25 minutes)*

**Presenter:** BOEHLER, Michael (Albert-Ludwigs-Universitaet Freiburg (DE))

**Session Classification:** ATLAS Distributed Computing and Applications

Contribution ID: 27

Type: **not specified**

## **CERN Perspectives in Accelerator Technology**

*Thursday 23 October 2014 14:00 (30 minutes)*

**Presenter:** VENESS, Raymond (CERN)

**Session Classification:** CERN Technologies and Applications

Contribution ID: **28**

Type: **not specified**

## Discussion

*Thursday 23 October 2014 14:50 (10 minutes)*

**Session Classification:** CERN Technologies and Applications

Contribution ID: 29

Type: **not specified**

## Discussion

*Tuesday 21 October 2014 18:00 (20 minutes)*

**Session Classification:** Networking for scientific applications

Contribution ID: 30

Type: **not specified**

## **Consideration of Results of ATLAS-Georgian Team Collaborative Agreement AA366/10**

*Thursday 23 October 2014 15:30 (15 minutes)*

**Presenter:** SHARMAZANASHVILI, Alexander (Georgian Technical University (GE))

**Session Classification:** ATLAS Software & Computing Collaborative Projects

Contribution ID: 31

Type: **not specified**

## **Development of Tag Browser Software Tool for ATLAS COOL Database**

*Thursday 23 October 2014 15:50 (15 minutes)*

**Presenters:** VARAMASHVILI, Davit (Georgian Technical University (GE)); AVALIANI, Giorgi (Georgian Technical University (GE)); UDZILARI, Nikoloz (Georgian Technical University (GE))

**Session Classification:** ATLAS Software & Computing Collaborative Projects

Contribution ID: 32

Type: **not specified**

## **Development of Simulation Loop for the ATLAS Geant4 Packages**

*Thursday 23 October 2014 16:10 (15 minutes)*

**Presenter:** TSUTSKIRIDZE, Niko (Georgian Technical University (GE))

**Session Classification:** ATLAS Software & Computing Collaborative Projects

Contribution ID: 33

Type: **not specified**

## **Investigation of Geometry Discrepancies in ATLAS End-CAP Toroid Structures**

*Thursday 23 October 2014 16:30 (15 minutes)*

**Presenter:** SURMAVA, Archil (Georgian Technical University (GE))

**Session Classification:** ATLAS Software & Computing Collaborative Projects



Contribution ID: 34

Type: **not specified**

## **3D Graphical Representation of ATLAS Detector in Web Browsers**

*Thursday 23 October 2014 16:50 (15 minutes)*

**Presenters:** KEKELIA, Besik (Georgian Technical University (GE)); PHATARIDZE, Lasha (Georgian Technical University (GE))

**Session Classification:** ATLAS Software & Computing Collaborative Projects

Contribution ID: 35

Type: **not specified**

## **Development of MDT/TGC as-Built Descriptions for Investigation of Data/Monte-Carlo Discrepancies**

*Thursday 23 October 2014 17:10 (15 minutes)*

**Presenter:** KEKELIA, Besik (Georgian Technical University (GE))

**Session Classification:** ATLAS Software & Computing Collaborative Projects

Contribution ID: 36

Type: **not specified**

## **ELENA ring beam instrumentation –BTV project**

*Thursday 23 October 2014 14:30 (15 minutes)*

**Presenter:** SHARMAZANASHVILI, Nikoloz (Georgian Technical University (GE))

**Session Classification:** CERN Technologies and Applications

Contribution ID: 37

Type: **not specified**

## Overview of infrastructure of computer networks in Georgia

*Tuesday 21 October 2014 10:20 (20 minutes)*

**Presenter:** TIVADZE, Alexander (GTU/MAGTI.com (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 38

Type: **not specified**

## Networking at GTU

*Tuesday 21 October 2014 10:40 (20 minutes)*

**Presenter:** TSIRAMUA, Zaza (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 39

Type: **not specified**

## New tweakable block cipher

*Tuesday 21 October 2014 11:30 (20 minutes)*

**Presenter:** JULAKIDZE, Levan (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 40

Type: **not specified**

## **Parallel Algorithm of the Solution of Boundary Problem for System of the First Order Ordinary Differential Equations**

*Tuesday 21 October 2014 11:50 (20 minutes)*

**Presenters:** Prof. MELADZE, Hamlet (GTU (GE)); Prof. TSERETELI, Paata (StAGU (GE)); Prof. DAVITASHVILI, Tinatin (TSU (GE)); Prof. SAHAKYAN, Vladimir (IIAP NAS RA (AM))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 41

Type: **not specified**

# Application of Compact Vector Summation to Reroute Sequence Planning in Telecommunication Networks

*Tuesday 21 October 2014 12:10 (20 minutes)*

**Presenter:** Prof. CHOBANYAN, Sergey (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications



Contribution ID: 42

Type: **not specified**

# **An Algorithmic Solution to the Problem of Compact Vector Summation with an Application to Scheduling Theory**

*Tuesday 21 October 2014 12:30 (20 minutes)*

**Presenters:** Prof. CHOBANYAN, Levon (GTU (GE)); Prof. CHOBANYAN, Sergey (GTU (GE)); Prof. KVARATSKHELIA, Vakhtang (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 43

Type: **not specified**

## Greedy Algorithm Fails in Compact Vector Summation

*Tuesday 21 October 2014 14:30 (20 minutes)*

**Presenters:** Prof. CHELIDZE, George (TSU (GE)); Dr GIORGOBIANI, George (GTU (GE)); Prof. CHOBANYAN, Sergey (GTU (GE)); Prof. KVARATSKHELIA, Vakhtang (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 44

Type: **not specified**

## **A Central Algorithm for the Calculation of Radon's Inverse Transform in Computerized Tomography**

*Tuesday 21 October 2014 14:50 (20 minutes)*

**Presenters:** Prof. ZARNADZE, David (GTU (GE)); Prof. UGULAVA, Duglas (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 45

Type: **not specified**

## Information Based Complexity and Grid Computing

*Tuesday 21 October 2014 15:10 (20 minutes)*

**Presenter:** Prof. TARIELADZE, Vazha (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 46

Type: **not specified**

## **Development of Cloud Environment for Accumulation and Distribution of Analytical Information Resource on a National Scale**

*Tuesday 21 October 2014 15:30 (20 minutes)*

**Presenters:** Dr GHLONTI, Giorgi (GTU (GE)); KAYMAN, Hasan (Int. Black Sea Univ.); Dr KIP-SHIDZE, Zurab (GTU (GE))

**Session Classification:** Distributing Computing and Cloud Computing for scientific applications

Contribution ID: 47

Type: **not specified**

## **Armenian AM-04-YERPHI site: challenges and perspectives**

*Tuesday 21 October 2014 17:00 (25 minutes)*

**Presenter:** OGANEZOV, Hovhannes (ANSL (Yerevan Physics Institute) (AM))

**Session Classification:** Networking for scientific applications