

SCCTW'2016

Report of Contributions

Contribution ID: 1

Type: **not specified**

Challenges in Information Technology for HEP

Tuesday 4 October 2016 11:00 (40 minutes)

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

Session Classification: Plenary: Big Data Processing

Contribution ID: 2

Type: **not specified**

The CMS Offline Software and Computing System

Tuesday 4 October 2016 11:40 (40 minutes)

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

Session Classification: Plenary: Big Data Processing

Contribution ID: 3

Type: **not specified**

A Monte-Carlo Algorithm for Finding a Near Optimal Rearrangement of the Steinitz Functional

Tuesday 4 October 2016 12:20 (40 minutes)

Presenter: CHOBANIAN, Sergei (GTU)

Session Classification: Plenary: Big Data Processing

Contribution ID: 4

Type: **not specified**

ATLAS Outreach Highlights

Thursday 6 October 2016 10:00 (30 minutes)

Presenter: CHEATHAM, Susan (Universita degli Studi di Udine (IT))

Session Classification: Plenary: Outreach and LHC Upgrade Technologies

Contribution ID: 5

Type: **not specified**

Art@CMS sciART Exhibitions and Workshops

Thursday 6 October 2016 10:30 (30 minutes)

Presenter: HOCH, Michael (Austrian Academy of Sciences (AT))

Session Classification: Plenary: Outreach and LHC Upgrade Technologies

Contribution ID: 6

Type: **not specified**

ATLAS Simulation

Thursday 6 October 2016 11:00 (30 minutes)

Presenter: MEYER, Jochen (Nikhef National institute for subatomic physics (NL))

Session Classification: Plenary: Outreach and LHC Upgrade Technologies

Contribution ID: 7

Type: **not specified**

GTU-ATLAS Collaboration Landscape

Thursday 6 October 2016 11:30 (30 minutes)

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

Session Classification: Plenary: Outreach and LHC Upgrade Technologies

Contribution ID: 8

Type: **not specified**

Evolution of Distributed Computing for the ATLAS Experiment at CERN

Friday 7 October 2016 10:00 (45 minutes)

Presenter: DI GIROLAMO, Alessandro (CERN)

Session Classification: Plenary: Grid Computing

Contribution ID: 9

Type: **not specified**

Networks for the LHC Data Challenge

Friday 7 October 2016 10:45 (45 minutes)

Presenter: MARTELLI, Edoardo (CERN)

Session Classification: Plenary: Grid Computing

Contribution ID: 10

Type: **not specified**

On One Nonlocal Contact Problem for Elliptic Equation and its Numerical Solution

Tuesday 4 October 2016 14:30 (20 minutes)

Presenters: MELADZE, H.; DAVITASHVILI, T.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 11

Type: **not specified**

On Calculation of the Inverse of Multidimensional Harmonic Oscillator on Schwartz Space

Tuesday 4 October 2016 14:50 (20 minutes)

Presenters: UGULAVA, D.; ZARNADZE, D.; KUBLASHVILI, M.; TSERETELI, P.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 12

Type: **not specified**

On Some Applications of Hadamard Matrices

Tuesday 4 October 2016 15:10 (20 minutes)

Presenters: GIORGOBIANI, G.; MENTESHASHVILI, M.; KVARATSKHELIA, V.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 13

Type: **not specified**

Computational Aspects of a Discrete Extremum

Tuesday 4 October 2016 15:30 (20 minutes)

Presenter: TARIELADZE, V.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 14

Type: **not specified**

Mathematical Modeling of Immunopathogenesis of Rheumatoid Arthritis

Tuesday 4 October 2016 15:50 (20 minutes)

Presenters: ODISHARIA, K.; JANIKASHVILI, N.; TSERETELI, P.; ODISHARIA, V.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 15

Type: **not specified**

On Solving the Dirichlet Generalized Problem for a Harmonic Function in the Case of an Infinite Plane with a Crack-Type Cut

Tuesday 4 October 2016 16:30 (20 minutes)

Presenters: KUBLASHVILI, M.; ZAKRADZE, M.; KOBLISHVILI, N.; SANIKIDZE, Z.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 16

Type: **not specified**

Symbolic Estimation of Distances Between Eigenvalues of Hermitian Operator

Tuesday 4 October 2016 16:50 (20 minutes)

Presenters: LOMIDZE, I.; CHACHAVA, N.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 17

Type: **not specified**

Approximation with respect to the spatial variable of the solution of a nonlinear dynamic beam problem

Tuesday 4 October 2016 17:10 (20 minutes)

Presenters: PERADZE, J.; KALICHAVA, Z.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 18

Type: **not specified**

On construction and application of some quadrature formulas of high accuracy for Cauchy type singular integrals

Tuesday 4 October 2016 17:30 (20 minutes)

Presenters: SANIKIDZE, J.; KUBLASHVILI, M.

Session Classification: Mathematical Methods and Algorithms for Distributing Computing

Contribution ID: 19

Type: **not specified**

Leavingstone Digital Creative Agency

Thursday 6 October 2016 14:00 (20 minutes)

Presenter: VAKHTANGISHVILI, V.

Session Classification: Outreach Projects

Contribution ID: 20

Type: **not specified**

Expression Methods in Art@Science

Thursday 6 October 2016 14:20 (20 minutes)

Presenter: MIRZIASHVILI, K.

Session Classification: Outreach Projects

Contribution ID: 21

Type: **not specified**

The Concept of ATLAS Tracer

Thursday 6 October 2016 14:40 (20 minutes)

Presenter: UDZILAURI, N.

Session Classification: Outreach Projects

Contribution ID: 22

Type: **not specified**

Development of Event Visualization Methodes for ATLAS Tracer Software Application

Thursday 6 October 2016 15:00 (20 minutes)

Presenter: PHATARIDZE, L.

Session Classification: Outreach Projects

Contribution ID: 23

Type: **not specified**

Development of Simplified Geometry Descriptions of ATLAS Detector for Tracer Software Application

Thursday 6 October 2016 15:20 (20 minutes)

Presenter: KOBAKHIDZE, Sh.

Session Classification: Outreach Projects

Contribution ID: 24

Type: **not specified**

ATLAS Tracer Engine and Functionalities

Thursday 6 October 2016 15:40 (20 minutes)

Presenter: VARAMASHVILI, D.

Session Classification: Outreach Projects

Contribution ID: 25

Type: **not specified**

Investigation of Geometry Descriptions of End-Cap Toroid Magnet for ATLAS Simulation Software Infrastructure

Thursday 6 October 2016 16:20 (20 minutes)

Presenter: KEKELIA, B.

Session Classification: LHC Upgrade Technologies

Contribution ID: 26

Type: **not specified**

Development of Analysis and Synthesis Methods for Geometry Modeling of ATLAS Detector

Thursday 6 October 2016 16:40 (20 minutes)

Presenter: SURMAVA, A.

Session Classification: LHC Upgrade Technologies

Contribution ID: 27

Type: **not specified**

Geometry Creation Methodologies for LHC Point 4

Thursday 6 October 2016 17:00 (20 minutes)

Presenter: SHEKILADZE, D.

Session Classification: LHC Upgrade Technologies

Contribution ID: 28

Type: **not specified**

ATLAS Tile Calorimeter Upgrade

Thursday 6 October 2016 17:20 (20 minutes)

Presenter: MKRTCHYAN, T.

Session Classification: LHC Upgrade Technologies

Contribution ID: 29

Type: **not specified**

Investigation of Geometry Modeling Methods for ATLAS Simulation

Thursday 6 October 2016 17:40 (20 minutes)

Presenter: TSUTSKIRIDZE, N.

Session Classification: LHC Upgrade Technologies

Contribution ID: 30

Type: **not specified**

Concept of Cloud Computing

Friday 7 October 2016 14:00 (20 minutes)

Presenter: ABULADZE, I.

Session Classification: Cloud Projects in Armenia-Azerbaijan-Georgia

Contribution ID: 31

Type: **not specified**

Modeling of spin glasses from the first principles of classical mechanics

Friday 7 October 2016 14:20 (20 minutes)

Presenters: GEVORKYAN, A.; SAHAKYAN, V.

Session Classification: Cloud Projects in Armenia-Azerbaijan-Georgia

Contribution ID: 32

Type: **not specified**

Cloud Computing Technology in Armenia

Friday 7 October 2016 14:40 (20 minutes)

Presenter: ASTSATRYAN, H.

Session Classification: Cloud Projects in Armenia-Azerbaijan-Georgia

Contribution ID: 33

Type: **not specified**

Some Scheduling Algorithms for Computational Grid Systems

Friday 7 October 2016 15:00 (20 minutes)

Presenter: SAHAKYAN, V.

Session Classification: Cloud Projects in Armenia-Azerbaijan-Georgia

Contribution ID: 34

Type: **not specified**

Design of a Cyber Infrastructure for Accumulation and Distribution of Analytical Information Resource

Friday 7 October 2016 15:20 (20 minutes)

Presenter: GHLONTI, G.

Session Classification: Cloud Projects in Armenia-Azerbaijan-Georgia

Contribution ID: 35

Type: **not specified**

Modern Supercomputers, Georgian Supercomputer Project and Usage Areas

Friday 7 October 2016 16:00 (20 minutes)

Presenters: PRANGISHVILI, A.; OIKASHVILI, B.; MODEBADZE, Z.

Session Classification: Grid Cluster at GTU: Development and Perspectives

Contribution ID: 36

Type: **not specified**

An Algorithm for Distributing Jobs in Cluster Environment

Friday 7 October 2016 16:20 (20 minutes)

Presenters: MAMPORIA, B.; CHELIDZE, G.; VAKHANIA, N.

Session Classification: Grid Cluster at GTU: Development and Perspectives

Contribution ID: 37

Type: **not specified**

The Algorithm of Parallel Programming Using “Small Delay”

Friday 7 October 2016 16:40 (20 minutes)

Presenters: SHETSIRULI, L.; PKHOVELISHVILI, M.; ARCHVADZE, N.; IOSELIANI, O.

Session Classification: Grid Cluster at GTU: Development and Perspectives

Contribution ID: **38**

Type: **not specified**

Circulation Physical Fundamentals of Computing and Technologies

Friday 7 October 2016 17:00 (20 minutes)

Presenter: ASATIANI, P.

Session Classification: Grid Cluster at GTU: Development and Perspectives

Contribution ID: 39

Type: **not specified**

New Tweakable Block Cipher

Friday 7 October 2016 17:20 (20 minutes)

Presenter: JULAKIDZE, L.

Session Classification: Grid Cluster at GTU: Development and Perspectives

Contribution ID: 40

Type: **not specified**

On Modeling of the Turbulent Movement

Friday 7 October 2016 17:40 (20 minutes)

Presenter: MAMPORIA, B.

Session Classification: Grid Cluster at GTU: Development and Perspectives