OSG All-Hands Meeting 2020

Report of Contributions

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

State of the OSG

Monday, 31 August 2020 11:00 (30 minutes)

Presenter: WUERTHWEIN, Frank (UCSD)

Session Classification: State of the OSG

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

State of Distributed High Throughput Computing

Monday, 31 August 2020 11:30 (30 minutes)

Presenter: Prof. LIVNY, Miron (University of Wisconsin–Madison)

Session Classification: State of the OSG

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

State of Campuses and Researchers in the OSG

Monday, 31 August 2020 12:00 (30 minutes)

Presenter: MICHAEL, Lauren (UW-Madison Center for High Throughput Computing (CHTC))

Session Classification: State of the OSG

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

OSG resources enable research to optimize field experimental designs for agriculture

Monday, 31 August 2020 13:30 (30 minutes)

Presenter: HOEFLER, Raegan (University of Wisconsin–Madison)

Session Classification: Science Enabled by OSG

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

ProkEvo: An automated scalable framework for bacterial population genomics analyses

Monday, 31 August 2020 14:00 (30 minutes)

Presenter: PAVLOVIKJ, Natasha (University of Nebraska–Lincoln)

Session Classification: Science Enabled by OSG

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

Virtual archaeology: Tomographic imaging of the Great Pyramid of Giza on the OSG

Monday, 31 August 2020 14:30 (30 minutes)

Summary

Presenter: BROSS, Alan (Fermilab)

Session Classification: Science Enabled by OSG

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

Predicting protein activity with high-throughput machine learning

Wednesday, 2 September 2020 11:00 (20 minutes)

Summary

Presenter: GELMAN, Sam (University of Wisconsin–Madison)

Session Classification: Artificial Intelligence, Machine Learning, GPUs, and the Cloud

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

Empowering ML accelerated molecular modeling workflows with OSG Connect

Wednesday, 2 September 2020 11:20 (20 minutes)

Presenter: ZUBATYUK, Roman (Carnegie Mellon University)

Session Classification: Artificial Intelligence, Machine Learning, GPUs, and the Cloud

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

IceCube in the Clouds

Wednesday, 2 September 2020 11:40 (25 minutes)

Presenter: RIEDEL, Benedikt (University of Wisconsin–Madison)

Session Classification: Artificial Intelligence, Machine Learning, GPUs, and the Cloud

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

OSG features to support machine learning

Wednesday, 2 September 2020 12:05 (25 minutes)

Presenter: RYNGE, Mats (USC / Information Sciences Institute)

Session Classification: Artificial Intelligence, Machine Learning, GPUs, and the Cloud

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

David Swanson Memorial: Introductory remarks

Tuesday, 1 September 2020 10:40 (10 minutes)

Presenters: BLOOM, Ken (University of Nebraska-Lincoln);   Prof. LIVNY, Miron (University of Wisconsin–Madison)

Session Classification: David Swanson Memorial and David Swanson Award speaker

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

David on campus: Building a model campus computing center

Tuesday, 1 September 2020 10:50 (20 minutes)

Presenter: LUNDSTEDT, Carl (CMS)

Session Classification: David Swanson Memorial and David Swanson Award speaker

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

David on campus: Supporting the life sciences

Tuesday, 1 September 2020 11:10 (15 minutes)

Presenter: CLARKE, Jennifer (University of Nebraska–Lincoln)

Session Classification: David Swanson Memorial and David Swanson Award speaker

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

David in the region: The Great Plains Network

Tuesday, 1 September 2020 11:25 (15 minutes)

Presenter: BROWN, Carrie (University of Nebraska–Lincoln)

Session Classification: David Swanson Memorial and David Swanson Award speaker

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

David in the world: International connections

Tuesday, 1 September 2020 11:40 (15 minutes)

Presenter: BOCKELMAN, Brian (Morgridge Institute for Research)

Session Classification: David Swanson Memorial and David Swanson Award speaker

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

David Swanson Memorial: Closing remarks

Tuesday, 1 September 2020 11:55 (10 minutes)

Presenter: WUERTHWEIN, Frank (UCSD)

Session Classification: David Swanson Memorial and David Swanson Award speaker

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

Presentation of inaugural David Swanson Awards

Tuesday, 1 September 2020 12:05 (5 minutes)

Presenter: SWANSON, Ronda

Session Classification: David Swanson Memorial and David Swanson Award speaker

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

Antimatter: Using High Throughput Computing to study very rare processes

Tuesday, 1 September 2020 12:10 (20 minutes)

Presenter: SHUKLA, Anirvan (University of Hawai'i at Mānoa)

Session Classification: David Swanson Memorial and David Swanson Award speaker

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

Fermilab and OSG: Perspectives from neutrino, muon, and astronomy experiments

Thursday, 3 September 2020 10:45 (25 minutes)

Presenters: HERNER, Kenneth (Fermilab); KIRBY, Michael (FNAL); ILLINGWORTH, Robert (Fermilab); HIMMEL, Alex (Fermilab)

Session Classification: OSG and Multi-Institutional Collaborations

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

Efforts at Jefferson Lab on the OSG: CEBAF and the EIC

Thursday, 3 September 2020 11:10 (20 minutes)

Presenter: ITO, Mark (Jefferson Lab)

Session Classification: OSG and Multi-Institutional Collaborations

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

IGWN on the grid: More gravitational waves and more resources

Thursday, 3 September 2020 11:30 (20 minutes)

Presenter: CLARK, James (Georgia Institute of Technology)

Session Classification: OSG and Multi-Institutional Collaborations

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

The South Pole Telescope and XENON experiments on OSG

Thursday, 3 September 2020 11:50 (20 minutes)

Summary

Presenters: WHITEHORN, Nathan (Michigan State University); SHOCKLEY, Evan (University of Chicago)

Session Classification: OSG and Multi-Institutional Collaborations

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

Simulations for VERITAS on the OSG

Thursday, 3 September 2020 12:10 (20 minutes)

Summary

Presenter: OTTE, Nepomuk (Georgia Institute of Technology)

Session Classification: OSG and Multi-Institutional Collaborations

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

StashCache: CDN for science

Wednesday, 2 September 2020 13:30 (20 minutes)

Presenter: FAJARDO HERNANDEZ, Edgar (UCSD)

Session Classification: OSG Technology Updates

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

OSG Networking activities and collaborations

Wednesday, 2 September 2020 13:50 (20 minutes)

Presenter: MCKEE, Shawn (Univ. of Michigan)

Session Classification: OSG Technology Updates

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

Bring your own resources

Wednesday, 2 September 2020 14:10 (20 minutes)

Presenters: RYNGE, Mats (USC / Information Sciences Institute); SEDORE, Eric (Syracuse University)

Session Classification: OSG Technology Updates

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

Transformations in OSG Technology

Wednesday, 2 September 2020 14:30 (30 minutes)

Presenter: BOCKELMAN, Brian (Morgridge Institute for Research)

Session Classification: OSG Technology Updates

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

Welcome

Friday, 4 September 2020 11:00 (5 minutes)

Summary

Presenters: MELO, Andrew (Vanderbilt University); GARDNER, Robert (University of Chicago)

Session Classification: OSG and U.S. LHC

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

A U.S. Data Lake

Friday, 4 September 2020 11:05 (20 minutes)

Presenter: FAJARDO HERNANDEZ, Edgar (UCSD)

Session Classification: OSG and U.S. LHC

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

Scheduling a Kubernetes Federation with Admiralty

Friday, 4 September 2020 11:25 (20 minutes)

Presenter: SFILIGOI, Igor (University of California San Diego)

Session Classification: OSG and U.S. LHC

Contribution ID: **31**

Type: **not specified**

Elastic Analysis Facilities

Friday, 4 September 2020 11:45 (20 minutes)

Presenter: Dr HOLZMAN, Burt (FNAL)

Session Classification: OSG and U.S. LHC

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

ATLAS Data Carousel

Friday, 4 September 2020 12:05 (20 minutes)

Summary

Presenter: ZHAO, Xin (Brookhaven National Laboratory)

Session Classification: OSG and U.S. LHC

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

Integration of TACC Frontera with ATLAS and CMS

Friday, 4 September 2020 13:30 (30 minutes)

Summary

Presenters: HUFNAGEL, Dirk (Fermilab); BRYANT, Lincoln (University of Chicago)

Session Classification: OSG and U.S. LHC

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

Supporting JuptyerLab Software Environments for HEP

Friday, 4 September 2020 14:00 (20 minutes)

Summary

Presenter: YANG, Wei (SLAC)

Session Classification: OSG and U.S. LHC

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

Storage evolution at Tier2 with Ceph

Friday, 4 September 2020 14:20 (20 minutes)

Summary

Presenters: BALCAS, Justas (Caltech); BALCAS, Justas (Caltech)

Session Classification: OSG and U.S. LHC

Contribution ID: **36** Type: **not specified**

Introduction to OSG on campuses

Tuesday, 1 September 2020 13:30 (15 minutes)

Presenter: WUERTHWEIN, Frank (UCSD)

Session Classification: OSG on Campuses

Contribution ID: **37**   Type: **not specified**

Dinos and data: The evolutionary tree of computing at AMNH

Tuesday, 1 September 2020 13:45 (20 minutes)

Presenters: BENEDETTO, Michael (American Museum of Natural History); SINGH, Sajesh (American Museum of Natural History)

Session Classification: OSG on Campuses

Contribution ID: **38**   Type: **not specified**

Establishing the culture and infrastructure for research computing in the liberal arts

Tuesday, 1 September 2020 14:05 (20 minutes)

Presenter: LARKINS, D. Brian (Rhodes College)

Session Classification: OSG on Campuses

Contribution ID: 39 Type: **not specified**

Collaboration that helps everyone!

Tuesday, 1 September 2020 14:25 (20 minutes)

Presenter: TRECAKOV, Strahinja (New Mexico State University)

Session Classification: OSG on Campuses