

# **OSG All-Hands Meeting 2020**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## State of the OSG

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

**Presenter:** WUERHWEIN, Frank (UCSD)

**Session Classification:** State of the OSG

Contribution ID: 2

Type: **not specified**

## **State of Distributed High Throughput Computing**

*Monday, August 31, 2020 11:30 AM (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, August 31, 2020 12:00 PM (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, August 31, 2020 1:30 PM (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, August 31, 2020 2:00 PM (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, August 31, 2020 2:30 PM (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, September 2, 2020 11:00 AM (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, September 2, 2020 11:20 AM (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, September 2, 2020 11:40 AM (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, September 2, 2020 12:05 PM (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, September 1, 2020 10:40 AM (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, September 1, 2020 10:50 AM (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, September 1, 2020 11:10 AM (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, September 1, 2020 11:25 AM (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, September 1, 2020 11:40 AM (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, September 1, 2020 11:55 AM (10 minutes)*

**Presenter:** WUERHWEIN, 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, September 1, 2020 12:05 PM (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, September 1, 2020 12:10 PM (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, September 3, 2020 10:45 AM (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, September 3, 2020 11:10 AM (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, September 3, 2020 11:30 AM (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, September 3, 2020 11:50 AM (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, September 3, 2020 12:10 PM (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, September 2, 2020 1:30 PM (20 minutes)*

**Presenter:** FAJARDO HERNANDEZ, Edgar (UCSD)

**Session Classification:** OSG Technology Updates

Contribution ID: 25

Type: **not specified**

## **OSG Networking activities and collaborations**

*Wednesday, September 2, 2020 1:50 PM (20 minutes)*

**Presenter:** MCKEE, Shawn (Univ. of Michigan)

**Session Classification:** OSG Technology Updates

Contribution ID: 26

Type: **not specified**

## Bring your own resources

*Wednesday, September 2, 2020 2:10 PM (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, September 2, 2020 2:30 PM (30 minutes)*

**Presenter:** BOCKELMAN, Brian (Morgridge Institute for Research)

**Session Classification:** OSG Technology Updates

Contribution ID: 28

Type: **not specified**

## Welcome

*Friday, September 4, 2020 11:00 AM (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, September 4, 2020 11:05 AM (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, September 4, 2020 11:25 AM (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, September 4, 2020 11:45 AM (20 minutes)*

**Presenter:** Dr HOLZMAN, Burt (FNAL)

**Session Classification:** OSG and U.S. LHC



Contribution ID: **32**

Type: **not specified**

## **ATLAS Data Carousel**

*Friday, September 4, 2020 12:05 PM (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, September 4, 2020 1:30 PM (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 JupyterLab Software Environments for HEP

*Friday, September 4, 2020 2:00 PM (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, September 4, 2020 2:20 PM (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, September 1, 2020 1:30 PM (15 minutes)*

**Presenter:** WUERHWEIN, Frank (UCSD)

**Session Classification:** OSG on Campuses

Contribution ID: 37

Type: **not specified**

## **Dinos and data: The evolutionary tree of computing at AMNH**

*Tuesday, September 1, 2020 1:45 PM (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, September 1, 2020 2:05 PM (20 minutes)*

**Presenter:** LARKINS, D. Brian (Rhodes College)

**Session Classification:** OSG on Campuses

Contribution ID: 39

Type: **not specified**

## **Collaboration that helps everyone!**

*Tuesday, September 1, 2020 2:25 PM (20 minutes)*

**Presenter:** TRECAKOV, Strahinja (New Mexico State University)

**Session Classification:** OSG on Campuses