

HTCondor Workshop Autumn 2020



Report of Contributions

Contribution ID: 1

Type: **not specified**

Lightweight Site-Specific Dask Integration for HTCondor at CHTC

Friday, September 25, 2020 3:45 PM (20 minutes)

Dask is an increasingly-popular tool for both low-level and high-level parallelism in the Scientific Python ecosystem. I will discuss efforts at the Center for High Throughput Computing at UW-Madison to enable users to run Dask-based work on our HTCondor pool. In particular, we have developed a “wrapper package” based on existing work in the Dask ecosystem that lets Dask spawn workers in the CHTC pool without users needing to be aware of the infrastructure constraints we are operating under. We believe this approach is useful as a lightweight alternative to dedicated, bespoke infrastructure like Dask Gateway.

Desired slot length

Speaker release

Yes

Primary author: Mr SELMECI, Matyas (University of Wisconsin - Madison)

Co-author: BOCKELMAN, Brian Paul (University of Wisconsin Madison (US))

Presenter: Mr SELMECI, Matyas (University of Wisconsin - Madison)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 2

Type: **not specified**

HTCondor in Production: Seamlessly automating maintenance, OS and HTCondor updates, all integrated with HTCondor's scheduling

Thursday, September 24, 2020 3:35 PM (20 minutes)

Our HTC cluster using HTCondor has been set up at Bonn University in 2017/2018. All infrastructure is fully puppetised, including the HTCondor configuration.

OS updates are fully automated, and necessary reboots for security patches are scheduled in a staggered fashion backfilling all draining nodes with short jobs to maximize throughput. Additionally, draining can also be scheduled for planned maintenance periods (with optional backfilling) and tasks to be executed before a machine is rebooted or shutdown can be queued. This is combined with a series of automated health checks with large coverage of temporary and long-term machines failures or overloads, and monitoring performed using Zabbix.

In the last year, heterogeneous resources with different I/O capabilities have been integrated and MPI support has been added. All jobs run inside Singularity containers allowing also for interactive, graphical sessions with GPU access.

Desired slot length

20

Speaker release

Yes

Primary author: FREYERMUTH, Oliver (University of Bonn (DE))

Co-author: WIENEMANN, Peter (University of Bonn (DE))

Presenter: FREYERMUTH, Oliver (University of Bonn (DE))

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 3

Type: **not specified**

Archival, anonymization and presentation of HTCondor logs with GlideinMonitor

Tuesday, September 22, 2020 4:40 PM (20 minutes)

GlideinWMS is a pilot framework to provide uniform and reliable HTCondor clusters using heterogeneous and unreliable resources. The Glideins are pilot jobs that are sent to the selected nodes, test them, set them up as desired by the user jobs, and ultimately start an HTCondor schedd to join an elastic pool. These Glideins collect information that is very useful to evaluate the health and efficiency of the worker nodes and invaluable to troubleshoot when something goes wrong. This includes local stats, the results of all the tests, and the HTCondor log files, and it is packed and sent to the GlideinWMS Factory.

Access to these logs for developers takes long back and forth with Factory operators and manual digging into files. Furthermore, these files contain information like user IDs and email and IP addresses, that we want to protect and limit access to.

GlideinMonitor is a Web application to make these logs more accessible and useful:

- it organizes the logs in an efficient compressed archive
- it allows to search, unpack, and inspect them, all in a convenient and secure Web interface
- via plugins like the log anonymizer, it can redact protected information preserving the parts useful for troubleshooting

Desired slot length

Speaker release

Yes

Primary author: MAMBELLI, Marco (University of Chicago (US))

Co-authors: HEIN, Thomas; YANCEY, Mirica

Presenter: MAMBELLI, Marco (University of Chicago (US))

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 4

Type: **not specified**

HTCondor deployment at CC-IN2P3

Monday, September 21, 2020 4:55 PM (20 minutes)

In recent months the HTCondor has been the main workload management system for the Grid environment at CC-IN2P3. The computing cluster consists of ~640 worker nodes of various types which deliver in a total of ~27K execution slots (including hyperthreading). The system supports LHC experiments (Alice, Atlas, CMS, and LHCb) under the umbrella of the Worldwide LHC Computing Grid (WLCG) as a Tier 1 site and other various experiments and research groups under the umbrella of European Grid Infrastructure (EGI). This presentation will provide a brief description of the installation, the configuration aspects of the HTCondor cluster. Besides, we will present the use of the HTCondor-CE grid gateway at CC-IN2P3.

Desired slot length

Speaker release

Yes

Primary authors: RIGAUD , Bertrand (CCIN2P3/CNRS); Dr VAMVAKOPOULOS, Emmanouil (CCIN2P3/CNRS); COCHARD, Guillaume (CCIN2P3/CNRS); HAMAR, Vanessa (CCIN2P3/CNRS)

Presenter: Dr VAMVAKOPOULOS, Emmanouil (CCIN2P3/CNRS)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 5

Type: **not specified**

Challenge of the Migration of the RP-Coflu-Cluster @ CERN

Wednesday, September 23, 2020 5:40 PM (20 minutes)

The Coflu Cluster, also known as the Radio-Protection (RP) Cluster, started as an experimental project at CERN involving a few standard desktop computers, in 2007. It was envisaged to have a job scheduling system and a common storage space so that multiple Fluka simulations could be run in parallel and monitored, utilizing a custom built and easy-to-use web-interface.

Abstract The infrastructure is composed of approximately 500 cores, and relies on HTCondor as an open-source high-throughput computing software framework for the execution of Fluka simulation jobs. Before the migration that was carried out over these last three months, nodes were running under Scientific Linux 6 and HT Condor mostly in the latest HT Condor 7 version. The web interface—based on JavaScript and PHP—allowing job submission was relying intensively on the Quill database hosted in CERN’s “database on demand” infrastructure.

Abstract In this talk, we discuss the challenges of migrating HTCondor to its latest version on our infrastructure, which required solving different challenges: replacing the Quill database used intensively in the web interface for supporting the submission and management of jobs, updating a whole system with the least interruption of the production, by gradually migrating its components to both the latest version of HT Condor and Centos 7.

Abstract We then terminate this presentation by the project of migrating this infrastructure to the CERN HT Condor pool.

Desired slot length

Speaker release

Yes

Primary authors: OUVRARD, Xavier Eric (CERN); THEIS, Chris (CERN)

Presenter: OUVRARD, Xavier Eric (CERN)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 7

Type: **not specified**

HPC backfill with HTCondor at CERN

Thursday, September 24, 2020 5:20 PM (20 minutes)

The bulk of computing at CERN consists of embarrassingly parallel HTC use cases (Jones, Fernandez-Alvarez et al), however for MPI applications for e.g. Accelerator Physics and Engineering, a dedicated HPC cluster running SLURM is used.

In order to optimize utilization of the HPC cluster, idle nodes in SLURM cluster are backfilled with Grid HTC workloads. This talk will detail the CondorCE setup that enables backfill to the SLURM HPC cluster with pre-emptable Grid jobs.

Desired slot length

15

Speaker release

Yes

Primary authors: LLOPIS SANMILLAN, Pablo (CERN); HØIMYR, Nils (CERN)

Co-authors: FIELD, Laurence (CERN); FERNANDEZ ALVAREZ, Luis (CERN); JONES, Ben (CERN)

Presenter: LLOPIS SANMILLAN, Pablo (CERN)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 8

Type: **not specified**

Replacing CREAM-CE with HTCondor-CE: the INFN-T1 experience

Wednesday, September 23, 2020 3:25 PM (20 minutes)

CNAF started working with the HTCondor Computing Element from May 2018, planning to move its Tier-1 Grid Site based on CREAM-CE and LSF Batch System to use HTCondor-CE and HTCondor. The phase out of CREAM and LSF was completed by spring 2020. This talk describes our experience with the new system, with particular focus on HTCondor-CE.

Desired slot length

Speaker release

Yes

Primary authors: DAL PRA, Stefano (Universita e INFN, Bologna (IT)); CHIERICI, Andrea (INFN-CNAF); MICHELOTTO, DIEGO (INFN - National Institute for Nuclear Physics)

Presenter: DAL PRA, Stefano (Universita e INFN, Bologna (IT))

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 9

Type: **not specified**

Replacing LSF with HTCondor: the INFN-T1 experience.

Monday, September 21, 2020 5:15 PM (20 minutes)

CNAF started working with HTCondor during spring 2018, planning to move its Tier-1 Grid Site based on CREAM-CE and LSF Batch System to HTCondor-CE and HTCondor. The phase out of CREAM and LSF was completed by spring 2020. This talk describes our experience with the new system, with particular focus on HTCondor .

Desired slot length

Speaker release

Yes

Primary author: DAL PRA, Stefano (Universita e INFN, Bologna (IT))

Co-authors: CHIERICI, Andrea (INFN-CNAF); MICHELOTTO, DIEGO (INFN - National Institute for Nuclear Physics); FORNARI, Federico; Dr SERGI, Giusy (CNAF)

Presenter: DAL PRA, Stefano (Universita e INFN, Bologna (IT))

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 10

Type: **not specified**

Combining cloud-native workflows with HTCondor jobs

Thursday, September 24, 2020 3:15 PM (20 minutes)

The majority of physics analysis jobs at CERN are run on high-throughput computing batch systems such as HTCondor. However, not everyone has access to computing farms, e.g. theorist wanting to make use of CMS Open Data, and for reproducible workflows more backend-agnostic approaches are desirable. The industry standard here are containers leveraged with Kubernetes, for which computing resources can easily be acquired on-demand using public cloud offerings. This causes a disconnect between how current HEP physics analysis are performed and how they could be reused: when developing a fully “cloud native” computing approach for physics analysis, one still needs to have access to the ten-thousands of cores available on classical batch system to have sufficient resources for the data processing.

In this presentation, I will demonstrate how complex physics analysis workflows that are written and scheduled using a rather small Kubernetes cluster can make use of CERN’s HTCondor installation. An “operator” is used to submit jobs to HTCondor and—once completed—collect the results and continue the workflow in the cloud. The audience will also learn the important role that software containers and Kubernetes play in the context of open science.

Desired slot length

20

Speaker release

Yes

Primary author: LANGE, Clemens (CERN)

Presenter: LANGE, Clemens (CERN)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 11

Type: **not specified**

HTCondor at Nikhef

Friday, September 25, 2020 2:50 PM (20 minutes)

The Physics Data Processing group at Nikhef is developing a Condor-based cluster, after a 19-year absence from the HTCondor community. This talk will discuss why we are developing this cluster, and present our plans and the results so far. It will also spend a slide or two on the potential to use HTCondor for other services we provide.

Desired slot length

Speaker release

Yes

Primary author: TEMPLON, Jeff (Nikhef National institute for subatomic physics (NL))

Co-authors: Mr VAN DOK, Dennis; HESTER, Mary (Nikhef)

Presenter: TEMPLON, Jeff (Nikhef National institute for subatomic physics (NL))

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 12

Type: **not specified**

From Identity-Based Authorization to Capabilities: SciTokens, JWTs, and OAuth

Friday, September 25, 2020 5:00 PM (20 minutes)

In this presentation, I will introduce the SciTokens model (<https://scitokens.org/>) for federated capability-based authorization in distributed scientific computing. I will compare the OAuth and JWT security standards with X.509 certificates, and I will discuss ongoing work to migrate HTCondor use cases from certificates to tokens.

Desired slot length

Speaker release

Yes

Primary author: BASNEY, Jim (University of Illinois)

Presenter: BASNEY, Jim (University of Illinois)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 13

Type: **not specified**

HTC at DESY

Tuesday, September 22, 2020 3:45 PM (20 minutes)

In 2016 the local (BIRD) and GRID DESY batch facilities were migrated to HTCondor, this talk will cover some of the experiences and developments we saw over the time and the plans for the future of HTC at DESY.

Desired slot length

15min

Speaker release

Yes

Primary authors: BEYER, Christoph; HARTMANN, Thomas (Deutsches Elektronen-Synchrotron (DE)); Mr FLEMMING, Martin (DESY); Mr REPPIN, Johannes (DESY); HAUPT, Andreas (Deutsches Elektronen-Synchrotron (DESY)-Unknown-Unknown); Mr SEVER, Krunoslav (DESY)

Presenter: BEYER, Christoph

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 14

Type: **not specified**

HTCondor monitoring at ScotGrid Glasgow

Thursday, September 24, 2020 5:40 PM (20 minutes)

Our Tier2 cluster (ScotGrid, Glasgow) uses HTCondor as batch system, combined with ARC-CE as front-end for job submission and ARGUS for authentication and user mapping.

On top of this, we have built a central monitoring system based on Prometheus that collects, aggregates and displays metrics on custom Grafana dashboards. In particular, we extract jobs info by regularly parsing the output of 'condor_status' on the condor_manager, scheduler, and worker nodes.

A collection of graphs gives a quick overlook of cluster performance and helps identify rising issues. Logs from all nodes and services are also collected to a central Loki server and retained over time.

Desired slot length

15

Speaker release

Yes

Primary author: SIMILI, Emanuele (University of Glasgow)

Co-authors: BRITTON, David; SKIPSEY, Samuel Cadellin; STEWART, Gordon (University of Glasgow); ROY, Gareth Douglas (University of Glasgow (GB))

Presenter: SIMILI, Emanuele (University of Glasgow)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 15

Type: **not specified**

Running a large multi-purpose HTCondor pool at CERN

Wednesday, September 23, 2020 5:20 PM (20 minutes)

A review of how we run and operate a large multi purpose condor pool, with grid, local submission and dedicated resources. Using grid and local submission to drive utilisation of shared resources. Using transforms and routers in order to ensure jobs end up on the correct resources, and are accounted correctly. We will review our automation and monitoring tools, together with integration of externally hosted and opportunistic resources.

Desired slot length

Speaker release

Yes

Primary authors: JONES, Ben (CERN); FERNANDEZ ALVAREZ, Luis (CERN)

Presenter: JONES, Ben (CERN)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 16

Type: **not specified**

HTCondor at GRIF

Tuesday, September 22, 2020 4:05 PM (20 minutes)

GRIF is a distributed Tier-2 WLCG site grouping four laboratories in the Paris Region (IJCLab, IRFU, LLR, LPNHE). Multiple HTCondor instances are deployed at GRIF since several years. In particular an ARC-CE + HTCondor system provides access to the computing resources of IRFU and a distributed HTCondor pool, with CREAM-CE and Condor-CE gateways, gives unified access to the IJCLab and LLR resources. We propose a short talk (10min max) giving a quick overview of the HTCondor installations at GRIF and some feedback from the GRIF grid administrators.

Desired slot length

10

Speaker release

Yes

Primary author: SARTIRANA, Andrea (Centre National de la Recherche Scientifique (FR))**Presenter:** SARTIRANA, Andrea (Centre National de la Recherche Scientifique (FR))**Session Classification:** Workshop session**Track Classification:** HTCondor user presentations

Contribution ID: 17

Type: **not specified**

HEPCloud use of HTCondor to access HPC Centers

Thursday, September 24, 2020 5:05 PM (15 minutes)

HEPCloud is working to integrate isolated HPC Centers, such as Theta at Argonne National Laboratory, into the pool of resources made available to its user community. Major obstacles to using these centers include limited or no outgoing networking and restrictive security policies. HTCondor has provided a mechanism to execute jobs in a manner that satisfies the constraints and policies. In this talk we will discuss the various ways we use HTCondor to collect and execute jobs on Theta.

Desired slot length

10 - 15 minutes maximum

Speaker release

Yes

Primary authors: TIRADANI, Anthony Richard (Fermi National Accelerator Lab. (US)); ACOSTA, Maria (Fermi National Accelerator Laboratory)

Presenter: TIRADANI, Anthony Richard (Fermi National Accelerator Lab. (US))

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 18

Type: **not specified**

CHTC Partners with Google Cloud to Make HTCondor Available on the Google Cloud Marketplace

Thursday, September 24, 2020 4:15 PM (15 minutes)

We're excited to share the launch of the HTCondor offering on the Google Cloud Marketplace, built by Google software engineer Cheryl Zhang with advice and support from the experts at the CHTC. Come see how quickly and easily you can start using HTCondor on Google Cloud with this new solution.

Desired slot length

Speaker release

Yes

Primary author: ZHANG, Cheryl (Google Cloud)

Presenter: ZHANG, Cheryl (Google Cloud)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 19

Type: **not specified**

How I Learned to Stop Worrying and Love the HTCondor-CE

Wednesday, September 23, 2020 4:05 PM (20 minutes)

This contribution provides firsthand experience of adopting HTCondor-CE at German WLCG sites DESY and KIT. Covering two sites plus a remote setup for RWTH Aachen, we share our lessons learned in pushing HTCondor-CE to production. With a comprehensive recap from technical setup, a detour to surviving the ecosystem and accounting, to the practical Dos and Donts, this contribution is suitable for all people that are considering, struggling or already successful in adopting HTCondor-CE as well.

Desired slot length

Speaker release

Yes

Primary author: FISCHER, Max (Karlsruhe Institute of Technology)

Presenter: FISCHER, Max (Karlsruhe Institute of Technology)

Session Classification: Workshop session

Track Classification: HTCondor user presentations

Contribution ID: 20

Type: **not specified**

Status and Plans of HTCondor Usage in CMS

Tuesday, September 22, 2020 5:00 PM (20 minutes)

The resource needs of high energy physics experiments such as CMS at the LHC are expected to grow in terms of the amount of data collected and the computing resources required to process these data. Computing needs in CMS are addressed through the “Global Pool” a vanilla dynamic HTCondor pool created through the glideinWMS software. With over 250k cores, the CMS Global Pool is the biggest HTCondor pool in the world, living at the forefront of HTCondor limits and facing unique challenges. In this contribution, we will give an overview of the Global Pool, focusing on the workflow managers connected to it and the unique HTCondor features used by them. Then, we will describe the monitoring tools developed to make sure the pool works correctly. We will also analyze the efficiency and scalability challenges faced by the CMS experiment. Finally, plans and challenges for the future will be addressed.

Desired slot length

Speaker release

Yes

Primary author: MASCHERONI, Marco (Univ. of California San Diego (US))**Presenter:** MASCHERONI, Marco (Univ. of California San Diego (US))**Session Classification:** Workshop session**Track Classification:** HTCondor user presentations

Contribution ID: 21

Type: **not specified**

State of Distributed High Throughput Computing

Monday, September 21, 2020 3:00 PM (20 minutes)

Desired slot length

Speaker release

Primary author: LIVNY, Miron (University of Wisconsin-Madison)

Presenter: LIVNY, Miron (University of Wisconsin-Madison)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 22

Type: **not specified**

A Users Introduction to HTCondor and Job Submission

Monday, September 21, 2020 3:20 PM (1 hour)

Desired slot length

Speaker release

Primary author: KOCH, Christina (University of Wisconsin-Madison)

Presenter: KOCH, Christina (University of Wisconsin-Madison)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 23

Type: **not specified**

Manage Workflows with HTCondor DAGMan

Monday, September 21, 2020 4:20 PM (20 minutes)

Desired slot length

Speaker release

Primary author: MICHAEL, Lauren (UW Madison)

Presenter: MICHAEL, Lauren (UW Madison)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 24

Type: **not specified**

What is new in HTCondor? What is upcoming?

Tuesday, September 22, 2020 2:50 PM (20 minutes)

Desired slot length

Speaker release

Primary author: TANNENBAUM, Todd (Univ of Wisconsin-Madison, Wisconsin, USA)

Presenter: TANNENBAUM, Todd (Univ of Wisconsin-Madison, Wisconsin, USA)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 25

Type: **not specified**

HTCondor Philosophy and Architecture Overview

Monday, September 21, 2020 5:35 PM (30 minutes)

Desired slot length

Speaker release

Primary author: TANNENBAUM, Todd (Univ of Wisconsin-Madison, Wisconsin, USA)

Presenter: TANNENBAUM, Todd (Univ of Wisconsin-Madison, Wisconsin, USA)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 26

Type: **not specified**

Installing HTCondor

Tuesday, September 22, 2020 3:10 PM (15 minutes)

Desired slot length

Speaker release

Primary author: COATSWORTH, Mark (UW Madison)

Presenter: COATSWORTH, Mark (UW Madison)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 27

Type: **not specified**

Pslots, draining, backfill: Multicore jobs and what to do with them

Tuesday, September 22, 2020 3:25 PM (20 minutes)

Desired slot length

Speaker release

Primary author: THAIN, Gregory (University of Wisconsin-Madison)

Presenter: THAIN, Gregory (University of Wisconsin-Madison)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 28

Type: **not specified**

HTCondor with Containers and Kubernetes

Thursday, September 24, 2020 2:50 PM (25 minutes)

Desired slot length

Speaker release

Primary author: THAIN, Gregory (University of Wisconsin-Madison)

Presenter: THAIN, Gregory (University of Wisconsin-Madison)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 29

Type: **not specified**

HTCondor Annex: Bursting into Clouds

Thursday, September 24, 2020 3:55 PM (20 minutes)

Desired slot length

Speaker release

Primary author: MILLER, Todd Lancaster (University of Wisconsin Madison (US))

Presenter: MILLER, Todd Lancaster (University of Wisconsin Madison (US))

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 30

Type: **not specified**

HTCondor Security: Philosophy and Administration Changes

Friday, September 25, 2020 4:30 PM (30 minutes)

Desired slot length

Speaker release

Primary authors: MILLER, Zach; BOCKELMAN, Brian Paul (University of Wisconsin Madison (US))

Presenters: MILLER, Zach; BOCKELMAN, Brian Paul (University of Wisconsin Madison (US))

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 31

Type: **not specified**

Allow HTCondor jobs to securely access services via OAuth token workflow

Friday, September 25, 2020 5:20 PM (20 minutes)

Desired slot length

Speaker release

Primary authors: PATTON, Jason (UW Madison); MILLER, Zach

Presenters: PATTON, Jason (UW Madison); MILLER, Zach

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 32

Type: **not specified**

HTCondor Offline: Running on isolated HPC Systems

Thursday, September 24, 2020 4:45 PM (20 minutes)

Desired slot length

Speaker release

Primary author: FREY, James (University of Wisconsin Madison (US))

Presenter: FREY, James (University of Wisconsin Madison (US))

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 33

Type: **not specified**

HTCondor's Python API - The Python Bindings

Friday, September 25, 2020 3:10 PM (25 minutes)

Desired slot length

Speaker release

Primary author: PATTON, Jason (UW Madison)

Presenter: PATTON, Jason (UW Madison)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 34

Type: **not specified**

HTMap: Pythonic High Throughput Computing

Friday, September 25, 2020 3:35 PM (10 minutes)

Desired slot length

Speaker release

Primary author: TANNENBAUM, Todd (Univ of Wisconsin-Madison, Wisconsin, USA)

Presenter: TANNENBAUM, Todd (Univ of Wisconsin-Madison, Wisconsin, USA)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 35

Type: **not specified**

REST API to HTCondor

Friday, September 25, 2020 4:05 PM (10 minutes)

Desired slot length

Speaker release

Primary author: SELMECI, Matyas (University of Wisconsin - Madison)

Presenter: SELMECI, Matyas (University of Wisconsin - Madison)

Session Classification: Workshop session

Track Classification: HTCondor presentations and tutorials

Contribution ID: 36

Type: **not specified**

Classified Ads in HTCondor

Tuesday, September 22, 2020 5:20 PM (20 minutes)

Desired slot length

Speaker release

Primary author: FREY, James (University of Wisconsin Madison (US))

Presenter: FREY, James (University of Wisconsin Madison (US))

Session Classification: Workshop session

Track Classification: HTCondor Compute Element (CE) presentations and tutorials

Contribution ID: 37

Type: **not specified**

Job Submission Transformations

Tuesday, September 22, 2020 5:40 PM (20 minutes)

Desired slot length

Speaker release

Primary author: KNOELLER, John (University of Wisconsin-Madison)

Presenter: KNOELLER, John (University of Wisconsin-Madison)

Session Classification: Workshop session

Track Classification: HTCondor Compute Element (CE) presentations and tutorials

Contribution ID: **38**

Type: **not specified**

HTCondor-CE Overview

Wednesday, September 23, 2020 2:50 PM (35 minutes)

Desired slot length

Speaker release

Primary author: LIN, Brian Hua (University of Wisconsin - Madison)

Presenter: LIN, Brian Hua (University of Wisconsin - Madison)

Session Classification: Workshop session

Track Classification: HTCondor Compute Element (CE) presentations and tutorials

Contribution ID: 39

Type: **not specified**

HTCondor-CE Configuration

Wednesday, September 23, 2020 3:45 PM (20 minutes)

Desired slot length

Speaker release

Primary author: LIN, Brian Hua (University of Wisconsin - Madison)

Presenter: LIN, Brian Hua (University of Wisconsin - Madison)

Session Classification: Workshop session

Track Classification: HTCondor Compute Element (CE) presentations and tutorials

Contribution ID: 40

Type: **not specified**

HTCondor-CE Live Installation

Wednesday, September 23, 2020 4:40 PM (15 minutes)

Desired slot length

Speaker release

Primary author: LIN, Brian Hua (University of Wisconsin - Madison)

Presenter: LIN, Brian Hua (University of Wisconsin - Madison)

Session Classification: Workshop session

Track Classification: HTCondor Compute Element (CE) presentations and tutorials

Contribution ID: 41

Type: **not specified**

HTCondor-CE Troubleshooting

Wednesday, September 23, 2020 4:55 PM (15 minutes)

Desired slot length

Speaker release

Primary author: LIN, Brian Hua (University of Wisconsin - Madison)

Presenter: LIN, Brian Hua (University of Wisconsin - Madison)

Session Classification: Workshop session

Track Classification: HTCondor Compute Element (CE) presentations and tutorials

Contribution ID: 42

Type: **not specified**

What is next for the HTCondor-CE?

Wednesday, September 23, 2020 5:10 PM (10 minutes)

Desired slot length

Speaker release

Primary author: LIN, Brian Hua (University of Wisconsin - Madison)

Presenter: LIN, Brian Hua (University of Wisconsin - Madison)

Session Classification: Workshop session

Track Classification: HTCondor Compute Element (CE) presentations and tutorials

Contribution ID: 43

Type: **not specified**

Welcome, logistics

Monday, September 21, 2020 2:50 PM (10 minutes)

Desired slot length

Speaker release

Primary author: MEINHARD, Helge (CERN)

Presenter: MEINHARD, Helge (CERN)

Session Classification: Workshop session

Track Classification: Miscellaneous

Contribution ID: 44

Type: **not specified**

Workshop wrap-up

Friday, September 25, 2020 5:40 PM (15 minutes)

Desired slot length

Speaker release

Primary author: MEINHARD, Helge (CERN)

Presenter: MEINHARD, Helge (CERN)

Session Classification: Workshop session

Track Classification: Miscellaneous

Contribution ID: 45

Type: **not specified**

General Office Hour Lobby

Thursday, September 24, 2020 6:00 PM (1 hour)

For general questions, open discussions, getting started

Session Classification: Office hour

Contribution ID: 46

Type: **not specified**

Using HTCondor

Thursday, September 24, 2020 6:00 PM (1 hour)

For people who want to submit workflows and have questions about using the command line tools or developer APIs (Python, REST)

Session Classification: Office hour

Contribution ID: 47

Type: **not specified**

Administrating HTCondor at a local site

Thursday, September 24, 2020 6:00 PM (1 hour)

For system admins installing and/or configuring an HTCondor pool on their campus

Session Classification: Office hour

Contribution ID: 48

Type: **not specified**

HTCondor-CE, Grid, and Federation

Thursday, September 24, 2020 6:00 PM (1 hour)

Questions about grid/cloud: CE, OSG, WLCG, EGI, bursting to HPC/Cloud, etc.

Session Classification: Office hour

Contribution ID: 49

Type: **not specified**

General Office Hour Lobby

Tuesday, September 22, 2020 6:00 PM (1 hour)

For general questions, open discussions, getting started

Session Classification: Office hour

Contribution ID: **50**

Type: **not specified**

Using HTCondor

Tuesday, September 22, 2020 6:00 PM (1 hour)

For people who want to submit workflows and have questions about using the command line tools or developer APIs (Python, REST)

Session Classification: Office hour

Contribution ID: 51

Type: **not specified**

Administrating HTCondor at a local site

Tuesday, September 22, 2020 6:00 PM (1 hour)

For system admins installing and/or configuring an HTCondor pool on their campus

Session Classification: Office hour

Contribution ID: 52

Type: **not specified**

HTCondor-CE, Grid, and Federation

Tuesday, September 22, 2020 6:00 PM (1 hour)

Questions about grid/cloud: CE, OSG, WLCG, EGI, bursting to HPC/Cloud, etc.

Session Classification: Office hour