PEARC19 Program

Chronicle | **Mon. Oct. 21** | **Tuesday Oct. 22** | **Wed. Oct. 23** | **Thursday Oct. 24** | **Friday Oct. 25**

Saturday, 6:30pm-7:30pm | Tuesday, 10:30am-11:00am | Wednesday, 10:30am-11:00am | Thursday, 10:30am-11:00am | Friday, 10:30am-11:00am
Sunday, 6:30pm-7:30pm | Tuesday, 12:30pm-2:00pm | Wednesday, 12:30pm-2:00pm | Thursday, 12:30pm-2:00pm | Friday, 12:30pm-2:00pm
Sunday, 7:30pm-8:30pm | Tuesday, 3:30pm-5:30pm | Wednesday, 3:30pm-5:30pm | Thursday, 3:30pm-5:30pm | Friday, 3:30pm-5:30pm
Sunday, 8:00pm-9:00pm | Tuesday, 6:00pm-7:00pm | Wednesday, 6:00pm-7:00pm | Thursday, 6:00pm-7:00pm | Friday, 6:00pm-7:00pm
Sunday, 9:00pm-11:30pm | Tuesday, 7:00pm-8:00pm | Wednesday, 7:00pm-8:00pm | Thursday, 7:00pm-8:00pm | Friday, 7:00pm-8:00pm
Sunday, 9:30pm-11:30pm | Tuesday, 8:00pm-9:00pm | Wednesday, 8:00pm-9:00pm | Thursday, 8:00pm-9:00pm | Friday, 8:00pm-9:00pm
Sunday, 9:00pm-11:30pm | Tuesday, 9:00pm-11:30pm | Wednesday, 9:00pm-11:30pm | Thursday, 9:00pm-11:30pm | Friday, 9:00pm-11:30pm
Sunday, 9:30pm-11:30pm | Tuesday, 9:30pm-11:30pm | Wednesday, 9:30pm-11:30pm | Thursday, 9:30pm-11:30pm | Friday, 9:30pm-11:30pm
Sunday, 10:00pm-11:30pm | Tuesday, 10:00pm-11:30pm | Wednesday, 10:00pm-11:30pm | Thursday, 10:00pm-11:30pm | Friday, 10:00pm-11:30pm
Sunday, 10:30pm-11:30pm | Tuesday, 10:30pm-11:30pm | Wednesday, 10:30pm-11:30pm | Thursday, 10:30pm-11:30pm | Friday, 10:30pm-11:30pm
Sunday, 11:00pm-11:30pm | Tuesday, 11:00pm-11:30pm | Wednesday, 11:00pm-11:30pm | Thursday, 11:00pm-11:30pm | Friday, 11:00pm-11:30pm
Sunday, 11:30pm-11:30pm | Tuesday, 11:30pm-11:30pm | Wednesday, 11:30pm-11:30pm | Thursday, 11:30pm-11:30pm | Friday, 11:30pm-11:30pm

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Saturday, 6:30pm-7:30pm

Saturday, 6:30pm-7:30pm
Venue: Salon 1
Advanced Computing for Social Change Institute
Advanced Computing for Social Change Institute **Welcome and Networking Mixer (Participants Only)**
Advanced Computing for Social Change Institute
Rob Gardner and Beatriz Gomez-TRECS, Indy Residential University of Illinois at Urbana-Champaign, Leslie Hill-SCRIPS, and Ted Nadler-Fraikin Innovation
Attendee
Attendee

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Sunday, 10:00am-12:00pm

Sunday, 10:00am-12:00pm
Venue: Salon 1
Advanced Computing for Social Change Institute
Advanced Computing for Social Change Institute
Rob Gardner and Beatriz Gomez-TRECS, Indy Residential University of Illinois at Urbana-Champaign, Leslie Hill-SCRIPS, and Ted Nadler-Fraikin Innovation
Attendee
Attendee

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Sunday, 12:00pm-6:00pm

Sunday, 12:00pm-6:00pm
Venue: Salon 1
Student Volunteer Registration
Student Volunteer Registration **Student - Registry Form**
Organizer - Registration
Conference Registration and Information Desk
Attendee

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Sunday, 7:00pm-7:00pm

Sunday, 7:00pm-7:00pm
Venue: Salon 1
Student Program
Student Program **Welcome and Opening and Welcome**
Attendee

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Sunday, 7:30pm-8:30pm

Sunday, 7:30pm-8:30pm
Venue: Salon 1
Campus Champions
Campus Champions - Virtual Meeting, Co-located Meeting
Campus Champions Leadership Team Meeting
Campus Champions Leadership Team
Attendee
Campus Champions Leadership Team Member
Attendee

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Sunday, 9:00pm-11:30pm

Sunday, 9:00pm-11:30pm
Venue: Salon 1
SCC
SCC - Virtual Meeting
SCC-Stack@PEARC19
SCC-Stack@PEARC19
Attendee
SCC-Stack@PEARC19 Attendee@scc.acceptance.org
Attendee

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Sunday, 7:00am-6:30pm

Sunday, 7:00am-6:30pm
Venue: Salon 1
Student Volunteer Registration
Student Volunteer Registration **Student - Registry Form**
Organizer - Registration
Conference Registration and Information Desk
Attendee

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Sunday, 8:00am-5:00pm

Sunday, 8:00am-5:00pm
Venue: Salon 1
Advanced Computing for Social Change Institute
Advanced Computing for Social Change Institute
Rob Gardner and Beatriz Gomez-TRECS, Indy Residential University of Illinois at Urbana-Champaign, Leslie Hill-SCRIPS, and Ted Nadler-Fraikin Innovation
Attendee
Attendee

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Monday, 10:30am-12:00pm

Monday, 10:30am-12:00pm
Venue: Salon 1
Tutorial
Tutorial - Virtual Meeting
Tutorial: Scaling Research Applications Using Big Data and Associated Deep Learning Applications with Hadoop and Spark!
Tutorial: Scaling Research Applications Using Big Data and Associated Deep Learning Applications with Hadoop and Spark!
Tutorial
Tutorial
Tutorial

Tuesday, 9:00am-10:00am

Tuesday, 9:00am-10:00am
Room: Ballroom
Robotics and Natural Communication Systems
Eric Nyberg, Carnegie Mellon University, USA/SE, and Michael Kaminger and Ana Bazzanella (Cornell University, USA/SE)
Chairs

Tuesday, 9:00am-10:00am
Room: Ballroom
Impact Measurement Strategies for Science Gateways Present and Future
Nancy Wilkins-Diehr, San Diego Supercomputer Center, USA/SE, Rosa Filgueira, University of Edinburgh, UK/SE, Maria Gomes Dias Marques, Universidade Federal do Rio Grande, Brazil/SE, Lucas Gonzalez Szwarcfiter, Universidad Nacional de Rosario, Argentina/SE, Sandra Gesing, University of Notre Dame, USA/SE, Marlon Pierce, Indiana University, USA/SE, Jim Pruyne, Hewlett Packard Enterprise, USA/SE, Ian Stewart, Louisiana State University, USA/SE, Sebastian Szkiewicz, Poznan Supercomputing and Network Center, Poland/SE, Ian Thomas, Swinburne University of Technology, Australia/SE, Vinod Tipparaju, Intel Corporation, USA/SE, Jan Trelinski, Poznan Supercomputing and Network Center, Poland/SE, Jan Zarnow

Tuesday, October 14, 2014

Tuesday 8:00am-11:59am

Tuesday 12:00pm-1:59pm

Tuesday 2:00pm-3:59pm

Tuesday 4:00pm-5:59pm

Tuesday 6:00pm-7:59pm

Tuesday 8:00pm-10:00pm

Wednesday, October 15, 2014

Wednesday 7:00am-8:59am

Wednesday 8:00am-3:00pm

Wednesday 9:00am-10:00am

Wednesday 9:15am-10:30am

Wednesday 10:45am-12:30pm

Wednesday 12:30pm-1:30pm

Wednesday 1:30pm-2:30pm

Wednesday 2:30pm-3:30pm

Wednesday 3:30pm-4:30pm

Wednesday 4:30pm-5:30pm

Wednesday 5:30pm-7:00pm

Wednesday 7:00pm-8:30pm

Thursday, October 16, 2014

Thursday 7:30am-10:00am

Thursday 8:15am-10:00am

Thursday 10:00am-11:30am

Thursday 11:30am-12:30pm

Thursday 12:30pm-1:30pm

Thursday 1:30pm-2:30pm

Thursday 2:30pm-3:30pm

Thursday 3:30pm-4:30pm

Thursday 4:30pm-5:30pm

Thursday 5:30pm-7:00pm

Thursday 7:00pm-8:30pm

Thursday 8:30pm-10:00pm

Thursday 10:00pm-10:30pm

Thursday 10:30pm-11:30pm

Thursday 11:30pm-12:30am

Thursday 10:00am-12:00pm
Toronto/Hong Kong/Acapulco
Exhibition · Exhibition
Exhibition

Joseph Paris
▸ Abstract

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Thursday 10:30am-12:00pm

Thursday 10:30am-12:00pm
Water Tower
Paper · Data, Technical Paper, Workforce
Data Science
Chair: Kurt Showmaker (The University of Mississippi Medical Center)

Undergraduate Data Science and Diversity at Purdue University
Elizabett Hillery, Mark Ward, and Alex Younts (Purdue Univesity); Eric Adams (Purdue University); Jenna Rickus (Purdue Univesity); and Preston Smith (Purdue University)
▸ Abstract
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Mining Online Training Log Data
Susan Mehringer and Christopher Myers (Cornell University, Center for Advanced Computing); Jennifer Houchins (The Shodor Education Foundation, Inc.); and Lorna Rivera (Georgia Institute of Technology; Center for Education Integrating Science, Mathematics, and Computing)
▸ Abstract
pdf

DeapSECURE: Empowering Students for Data- and Compute-Intensive Research in Cybersecurity through Training
Wirawan Purwanto, Hongyi Wu, Masha Sosonkina, and Karina Arcaute (Old Dominion University)
▸ Abstract
pdf

Thursday 10:30am-12:00pm
Crystal A
Paper · Facilitation, Technical Paper, Cluster Management, Applications
Managing Clusters III
Chair: John Cazes (University of Texas at Austin)

Wrangling Rogues: A Case Study on Managing Experimental Post-Moore Architectures
Will Powell, Jason Riedy, Jeffrey Young, and Thomas Conte (Georgia Institute of Technology)
▸ Abstract
pdf

Deploying a Top-100 Supercomputer for Large Parallel Workloads: the Niagara Supercomputer
Marcelo Ponce (University of Toronto, SciNet HPC Consortium); Ramses Van Zon, Scott Northrup, and Daniel Gruner (SciNet HPC Consortium, University of Toronto); Joseph Chen (Scinet HPC Consortium, University of Toronto); Fatih Ertinaz (SciNet HPC Consortium); Alexey Fedoseev and Leslie Groer (SciNet HPC Consortium, University of Toronto); Fei Mao (SciNet HPC Consortium); and Bruno Mundim, Michael Nolta, Jaime Pinto, Marco Saldarriaga, Vladimir Slavnic, Erik Spence, Ching-Hsing Yu, and Richard Peltier (SciNet HPC Consortium, University of Toronto)
▸ Abstract
pdf

Automatic Modulefile Generation in Environment Modules and Lmod Systems with mkmod
Kent Milfeld (TACC)
▸ Abstract
pdf

Thursday 10:30am-12:00pm
Gold Coast
Paper · Facilitation, Technical Paper, Student Technical Paper, Software, Best Paper Facilitation
Software
Chair: Scott Michael (Indiana University)

Providing a Unified Software Environment for Canada's National Advanced Computing Centers
Maxime Boissonneault (Université Laval, Compute Canada - Calcul Québec); Bart Oldeman (McGill University, Compute Canada - Calcul Québec); and Ryan Taylor (University of Victoria, Compute Canada - WestGrid)
▸ Abstract
pdf

A Continuous Integration-Based Framework for Software Management
Best Paper Facilitation
Samuel Khuvis, Zhi-Qiang You, Heechang Na, Scott Brozell, Eric Franz, Trey Dockendorf, Judith Gardiner, and Karen Tomko (Ohio Supercomputer Center)
▸ Abstract
pdf

Mii: An Automated Search Engine for Environment Modules
Justin Stanley (Iowa State University)
▸ Abstract
pdf

Thursday 10:30am-12:00pm
Crystal C
Paper · Technical Paper, Applications, Collaboration
Collaborative Applications
Chair: Shane Sanders (The Jackson Laboratory)

GenApp, Containers and Abaco
Emre Brookes (University of Texas Health Science Center at San Antonio) and Joe Stubbs (Texas Advanced Computing Center)
▸ Abstract
pdf

Enabling Real-time User Interaction For Decision Support: Experiences Extending A Local Agave Platform Metadata Service.
Sean Cleveland (University of Hawaii); Jared McLean (University of Hawaii - Hilo); Kolja Rotzoll (University of Hawai'i- WaterResources Research Cen); Scot Izuka (U.S Geological Survey, Pacific IslandsWater Science Cent); and Gwen Jacobs (University of Hawaii)
▸ Abstract
pdf

HUBzero®: Novel Concepts Applied to Established Computing Infrastructures to Address Communities' Needs
Sandra Gesing (University of Notre Dame) and Claire Stirm, Michael Zentner, Ben Haley, and Steve Clark (Purdue University)
▸ Abstract
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Thursday 12:00pm-1:30pm

Thursday 12:00pm-1:30pm
Regency AB
Lunch · Plenary, Lunch, Awards
Awards Lunch

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Thursday 1:30pm-3:00pm

Thursday 1:30pm-3:00pm
Water Tower
Co-located Meeting · Private, Closed Meeting, Co-located Meeting
XSEDE All-Staff Meeting

John Towns (XSEDE)
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Thursday 3:00pm-4:00pm

Thursday 3:00pm-4:00pm
Water Tower
Co-located Meeting · Private, Closed Meeting, Co-located Meeting
XSEDE ECSS All-Hands Meeting

Robert Sinkovits (SDSC) and Philip Blood (PSC)
▸ Abstract

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