PEARC18

PEARC18 is for everyone who works to realize the promise of advanced computing as the enabler of **seamless creativity**.
Scientists and engineers, scholars and planners, artists and makers, students and teachers all depend on the efficiency, security, reliability and sustainability of increasingly complex and powerful digital infrastructure systems.
If your work addresses these challenges in any way, PEARC18 is the forum to share, learn and inspire progress.
Community-driven tracks for PEARC18

• Facilitation of Advanced Computing Infrastructure
• Applications of Advanced Computing Infrastructure
• Visualization and Data Analytics
• Workforce Development and Diversity

All program elements for PEARC18 are organized into these tracks.
**PEARC18 Schedule**

**PEARC18 Program**

<table>
<thead>
<tr>
<th>Sunday, July 22nd</th>
<th>Monday, July 23rd</th>
<th>Tuesday, July 24th</th>
<th>Wednesday, July 25th</th>
<th>Thursday, July 26th</th>
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<tbody>
<tr>
<td>4:30pm-8:00pm</td>
<td>8:30am-12:00pm</td>
<td>8:15am-10:00am</td>
<td>8:15am-10:00am</td>
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<tr>
<td><strong>Student Program Opening Activity</strong></td>
<td><strong>An introduction to Machine Learning with TensorFlow and Keras</strong></td>
<td><strong>Plenary Session A</strong></td>
<td><strong>Plenary Session B</strong></td>
<td><strong>Plenary Session C</strong></td>
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<tr>
<td>Commonwealth 1</td>
<td>Grand Ballroom 1</td>
<td>Grand Ballroom 1</td>
<td>Grand Ballroom 1</td>
<td>Grand Ballroom 3</td>
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<td>Student Program,</td>
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<td>Special Event</td>
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<tr>
<td>Workforce</td>
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<td>5:00pm-7:00pm</td>
<td><strong>Introduction to OpenMP Using the Interactive Parallelization Tool (IPT)</strong></td>
<td><strong>Plenary Sessions</strong></td>
<td><strong>Plenary Sessions</strong></td>
<td><strong>Plenary Sessions</strong></td>
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<td><strong>Campus Champion Leadership Team Meeting</strong></td>
<td>Fort Pitt</td>
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<td>Black Diamond</td>
<td>Details</td>
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<tr>
<td>Facilitation, Closed, Special Event Invitation Only</td>
<td>Tutorials</td>
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<tr>
<td>Introduction to Python 3 and Jupyter Notebooks</td>
<td><strong>Facilitation 1A</strong></td>
<td><strong>Applications B</strong></td>
<td><strong>Applications B</strong></td>
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<td>Benedum Room</td>
<td>Grand Ballroom 3</td>
<td>Kings Garden 2</td>
<td>Kings Garden 2</td>
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<td>Details</td>
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<tr>
<td>Tutorial Half-Day, Student Program</td>
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<td>Introduction to Visualization using Paraview</td>
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<td>Duquesne</td>
<td><strong>Facilitation 2A</strong></td>
<td><strong>Facilitation 1D</strong></td>
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<td>Grand Ballroom 3</td>
<td>Student Technical Paper, Panel, Technical Paper Applications</td>
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PEARC18 Highlights

• NEW: Panels (integrated with Technical Papers)
• NEW: Workshops and Tutorials throughout the conference
• NEW: No additional registration for Workshops and Tutorials
Continuing for PEARC18

• Keynote Speakers
  – Gregory K. Farber, National Institute of Mental Health
  – Steve Hammond, National Renewal Energy Laboratory
  – Ruby Mendenhall, University of Illinois at Urbana-Champaign
  – Anita Nikolich
  – NSF Office of Cyberinfrastructure: to be announced soon
Continuing for PEARC18

• Dynamic Student Program
  – Student Papers and Posters (part of Technical Program)
  – Student Modeling Day
  – Student-Mentor Program
  – Speed Networking
  – Student Volunteers
  – Travel/Financial Support
Continuing for **PEARC18**

- Technical Papers
- Birds of a Feather
- Posters
- Showcase

*Plus plenty of networking opportunities throughout the conference!*
Special thanks to our Exhibitors:
PEARC18 Important Dates

• Regular registration: through June 3, 2018
• Hotel block: through June 3, 2018
**PEARC18 Committee Contacts**

- Sergiu Sanielevici, General Chair  [sergiu@psc.edu](mailto:sergiu@psc.edu)
- Alana Romanella, Diversity and Workforce Development Chair  [aromanel@vt.edu](mailto:aromanel@vt.edu)
- Jeff Pummill, Technical Program Chair  [jpummil@uark.edu](mailto:jpummil@uark.edu)
- Ricardo Gonzalez Mendez, Student Program Chair  [ricardo.gonzalez7@upr.edu](mailto:ricardo.gonzalez7@upr.edu)
- J Ray Scott, Exhibitor Program Chair  [scott@psc.edu](mailto:scott@psc.edu)
- Carol Song, Collocated Workshops Chair  [cxsong@purdue.edu](mailto:cxsong@purdue.edu)
Why Pittsburgh?

Over the last several years Pittsburgh has successfully built on its blue-collar tradition to become a world leading center of science and technology.
Built on Steel, Pittsburgh Now Thrives on Culture

Today, tech companies like Google, Intel and Uber have invested in the city, which has had a real effect on its citizens’ lives: According to a 2014 study, Pittsburgh is ranked second in inter-generational upward mobility. (NYTimes.com)
Pittsburgh Now!

• Voted the most liveable city 7 times!
• On a list of different countries, states and cities, Pittsburgh was named America’s Most Underrated City
• Harper’s Bazaar ranked Pittsburgh 4 out of the 17 best places to travel.
• Smart says Pittsburgh is the 4th best city for foodies.
• Air Transport World Magazine name Pittsburgh International Airport Airport of the Year.
• Of the Friendliest Cities in America, by Travel + Leisure, Pittsburgh is voted number 7.
PEARC18 Venue
Wyndham Grand Pittsburgh Downtown