

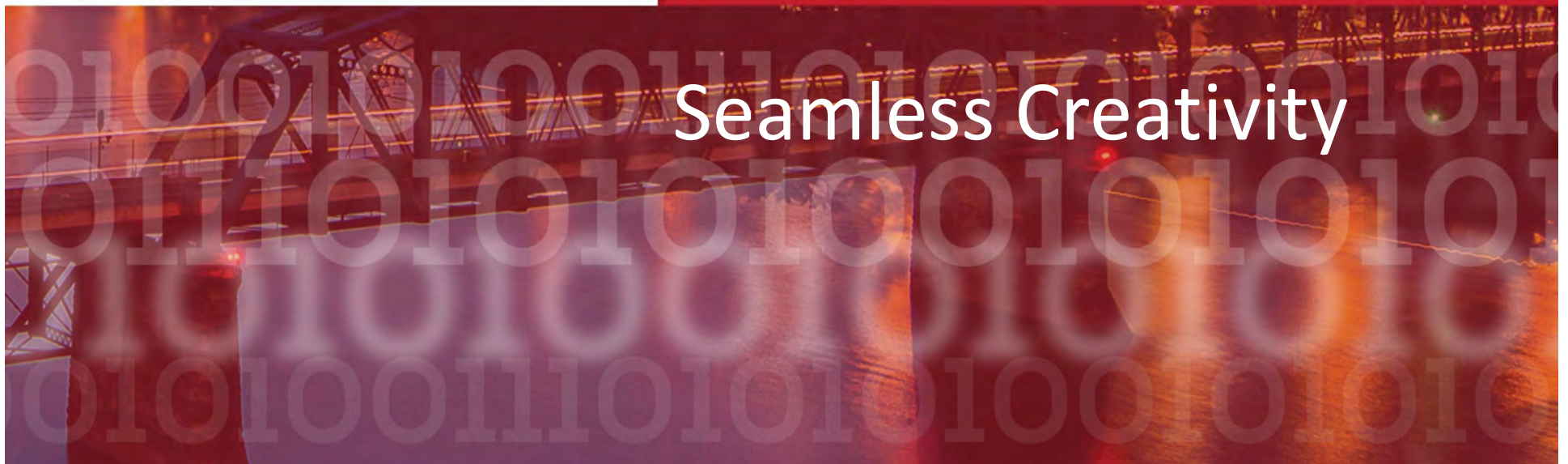
pearc18.pearc.org



PEARC18

July 22-27, 2018
Pittsburgh, PA

Seamless Creativity



PEARC18

PEARC18 is for everyone who works to realize the promise of advanced computing as the enabler of **seamless creativity**.

PEARC18

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.

PEARC18

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

Secure | https://ssl.linklings.net/conferences/pearc/pearc18_program/views/at_a_glance.html

PEARC18 PEARC18 Program

Overview | [By Date](#) | [By Event Type](#) | [By Tag](#) | [By Room](#) | [Author Index](#)

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| Sunday, July 22nd | Monday, July 23rd | Tuesday, July 24th | Wednesday, July 25th | Thursday, July 26th |
|--|--|--|--|--|
| <p>4:30pm-8:00pm</p> <p>Student Program Opening Activity Commonwealth 1</p> <p>details ▶ Student Program, Workforce Special Event</p> | <p>8:30am-12:00pm</p> <p>An introduction to Machine Learning with TensorFlow and Keras Grand Ballroom 4</p> <p>details ▶ VisDataAnalytics Tutorials</p> | <p>8:15am-10:00am</p> <p>Plenary Session A Grand Ballroom 1</p> <p>Welcome to PEARC18 ▶ Bytes and BTUs: Lessons Learned from the World's Most Energy Efficient Data Center ▶ New Software Institute Conceptualization Projects and how you can engage ▶ Paper and Panels Lightning Preview ▶</p> <p>Plenary Sessions</p> | <p>8:15am-10:00am</p> <p>Plenary Session B Grand Ballroom 1</p> <p>PEARC18 Logistic Updates ▶ Neuroscience and Advanced Computing ▶ Using Advanced Computing to Recover Black Women's Lost History: Exploring Seamless Creativity in Research that spans Computer Science, Social Sciences and the Humanities ▶ Paper and Panels Lightning Preview ▶</p> <p>Plenary Sessions</p> | <p>8:15am-10:00am</p> <p>Plenary Session C Grand Ballroom 3</p> <p>PEARC18 Logistic Updates ▶ Hacking Academia ▶ Trusted CI Panel Discussion ▶</p> <p>Plenary Sessions</p> |
| <p>5:00pm-7:00pm</p> <p>Campus Champion Leadership Team Meeting Black Diamond</p> <p>Facilitation, Closed, Invitation Only Special Event</p> | <p>Introduction to OpenMP Using the Interactive Parallelization Tool (IPT) Fort Pitt</p> <p>details ▶ Workforce Tutorials</p> <p>Introduction to Python 3 and Jupyter Notebooks Benedum Room</p> <p>details ▶ Tutorial Half-Day, Student Program Tutorials</p> <p>Introduction to Visualization using Paraview Duchesne</p> | <p>10:30am-12:00pm</p> <p>Facilitation 1A Grand Ballroom 3</p> <p>XSEDE Offerings for Research Computing Centers ▶ Taking Your Work to the Public ▶ Student Technical Paper, Panel, Technical Paper Facilitation</p> <p>Facilitation 2A</p> | <p>10:30am-12:00pm</p> <p>Applications B Kings Garden 2</p> <p>Student Technical Paper, Panel, Technical Paper Applications</p> <p>Facilitation 1D Grand Ballroom 3</p> <p>Student Technical Paper. Panel.</p> | <p>10:30am-12:00pm</p> <p>Plenary Session D Grand Ballroom 3</p> <p>Campus Champions Fellows Presentations ▶ Campus Champions: Celebrating Ten Years of Building Community in Service of Workforce Development ▶ Facilitation Plenary Panel</p> <p>12:00pm-1:30pm</p> <p>Awards Lunch Grand Ballroom 2 Lunch</p> |

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 **PEARC**18

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

Continuing for **PEARC**18

- Dynamic Student Program
 - Student Papers and Posters (part of Technical Program)
 - Student Modeling Day
 - Student-Mentor Program
 - Speed Networking
 - Student Volunteers
 - Travel/Financial Support

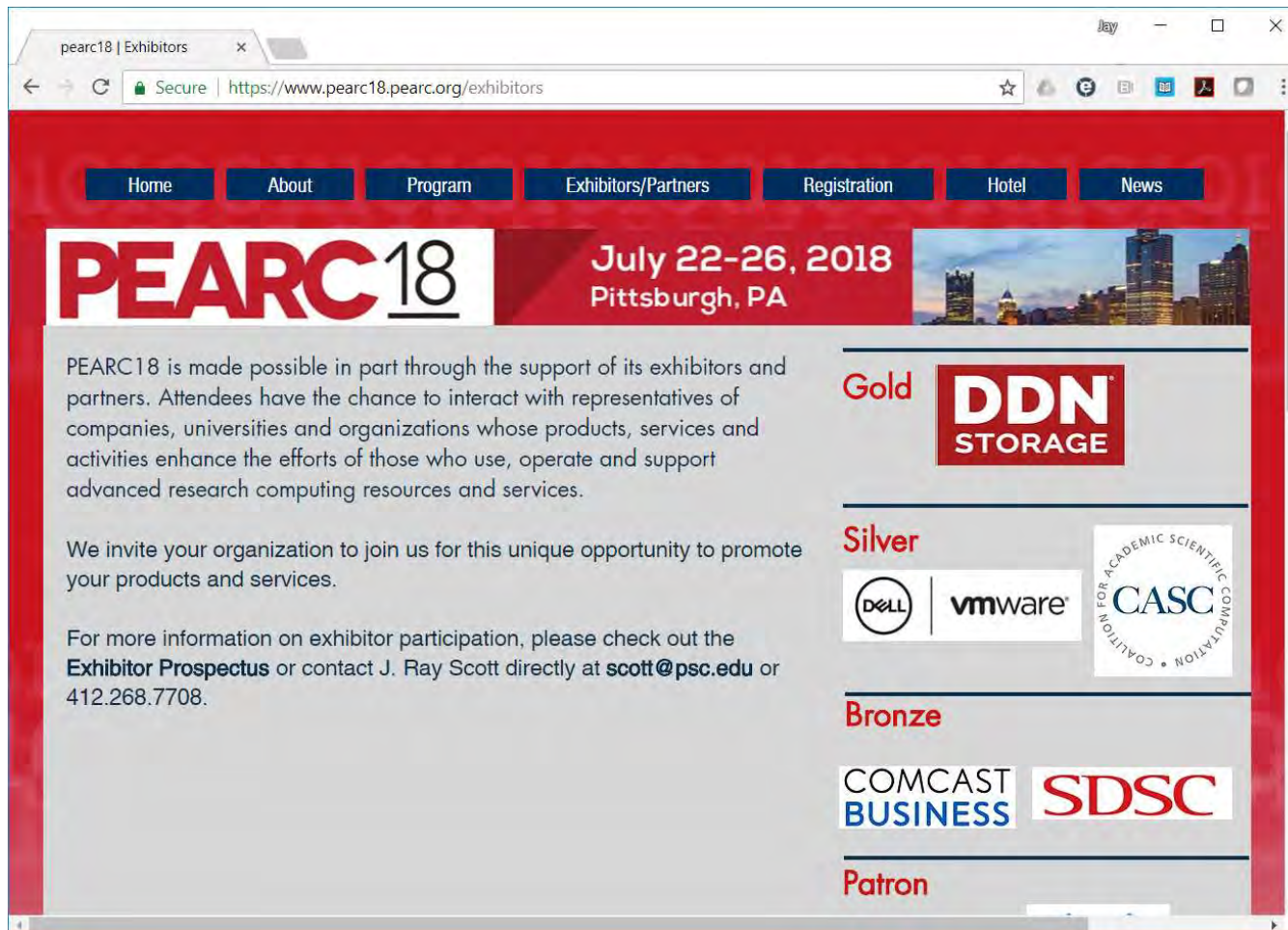
Continuing for **PEARC**18

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

Plus plenty of networking opportunities throughout the conference!

PEARC18 Exhibitors

- Special thanks to our Exhibitors:



The screenshot shows a web browser window with the URL <https://www.pearc18.pearc.org/exhibitors>. The page features a red header with a navigation menu: Home, About, Program, Exhibitors/Partners, Registration, Hotel, and News. Below the header, the event title "PEARC18" is displayed in large red letters, followed by the dates "July 22-26, 2018" and the location "Pittsburgh, PA" next to a city skyline image. The main content area is divided into two columns. The left column contains text explaining that PEARC18 is supported by exhibitors and partners, and invites organizations to join for a unique opportunity to promote their products and services. It also provides contact information for J. Ray Scott at scott@psc.edu or 412.268.7708. The right column lists exhibitors by tier: Gold (DDN STORAGE), Silver (DELL, vmware, CASC), Bronze (COMCAST BUSINESS, SDSC), and Patron.

Home About Program Exhibitors/Partners Registration Hotel News

PEARC18

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PEARC18 is made possible in part through the support of its exhibitors and partners. Attendees have the chance to interact with representatives of companies, universities and organizations whose products, services and activities enhance the efforts of those who use, operate and support advanced research computing resources and services.

We invite your organization to join us for this unique opportunity to promote your products and services.

For more information on exhibitor participation, please check out the [Exhibitor Prospectus](#) or contact J. Ray Scott directly at scott@psc.edu or 412.268.7708.

Gold

DDN STORAGE

Silver

DELL | vmware | CASC
COALITION FOR ACADEMIC SCIENTIFIC COMPUTATION

Bronze

COMCAST BUSINESS | SDSC

Patron

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
- Alana Romanella, Diversity and Workforce Development Chair aromanel@vt.edu
- Jeff Pummil, Technical Program Chair jpummil@uark.edu
- Ricardo Gonzalez Mendez, Student Program Chair ricardo.gonzalez7@upr.edu
- J Ray Scott, Exhibitor Program Chair scott@psc.edu
- Carol Song, Collocated Workshops Chair 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



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