

# Call for Participation

# PEARC19

## Conference

## Practice and Experience in Advanced Research Computing

July 28 - August 1, 2019  
Chicago, IL

You are invited to prepare presentation proposals for the PEARC19 Conference.

**PEARC19** will explore the current practice and experience in advanced research computing including modeling, simulation, and data-intensive computing. A primary focus will be on machine learning and artificial intelligence which are proving to be disruptive technologies in a diverse range of scientific fields from materials science to medicine. If you are interested in machine learning and many other areas in advanced research computing, this is the conference for you!

### Technical Tracks for PEARC19

#### Machine Learning and Artificial Intelligence:

Practice and experience related to the use of machine learning and artificial intelligence to advance science, engineering, medicine, manufacturing, scholarship, public services, the arts, etc.

#### Advanced Research Computing Software and Applications:

Practice and experience relating to the use of advanced research computing to advance science, engineering, medicine, manufacturing, scholarship, public services, the arts, etc., by developing and leveraging advanced hardware, software, tools, networks, and services.

#### Facilitation of Advanced Research Computing:

Practice and experience in facilitating the acquisition, operation, and use of advanced hardware, software, networks and services to securely and sustainably advance research in science, engineering, medicine, manufacturing, scholarship, public services, the arts, etc.

#### Workforce Development and Diversity:

Practice and experience in developing and sustaining a highly proficient workforce for advanced research computing that realizes the full potential of people in all demographic groups.

### Proposal Types for PEARC19

- Technical Papers
- Poster Presentations
- Panels
- Birds of a Feather Sessions
- Visualization Showcase
- Tutorials
- Workshops
- Special Events

Regular Technical Papers	Extended to 2/20/2019
Tutorials	Extended to February 27, 2019
Workshops	Extended to February 27, 2019
Panels	March 13, 2019
Student Papers	Letter of Intent March 13, 2019 Full manuscript April 3, 2019
Special Events	Priority deadline March 6, 2019 Late deadline June 5, 2019
Posters	May 1, 2019
Student Posters	May 1, 2019
Birds of a Feather Sessions	May 1, 2019
Visualization Showcase	May 1, 2019

Visit our website at <https://www.pearc19.pearc.org> where you will find a more detailed Call for Participation.

### Student Program

PEARC19 will offer a dynamic student program designed to bring together a broad and diverse group of researchers, students, and prospective users including significant participation from under-represented groups and new disciplines. The program will provide students with a range of opportunities to participate in both student activities and the full technical program so that they may share their research efforts and gain insights and inspiration from like-minded individuals at the conference. Student submissions are strongly encouraged by the Technical Program Committee.

### Further Information and Questions

For detailed information about the Call for Participation or if you have specific questions about the PEARC19 conference, visit our website at <https://www.pearc19.pearc.org>

**Website:** <https://www.pearc19.pearc.org>

**Twitter:** [https://twitter.com/PEARC\\_19](https://twitter.com/PEARC_19)

**Facebook:** <https://www.facebook.com/PEARChpc/>