

PEARC20

- A Advanced Research Computing Environments
 N Application Software Support Outcomes
 B BOF
R Break
 C Co-located Event
 L Lunch Break
 M ML/AI
 P Panel
 Y Plenary
V Poster/VIS Reception
 S Student Program
 T Tutorials
W Workforce development Diversity Professionalization
 K Workshops

JULY 27 • MONDAY

8:00am – 12:00pm	T	An Introduction to Advanced Features in MPI <i>Speakers: Amit Ruhela, Victor Eijkhout</i>	Brella
8:00am – 12:00pm	T	Empowering Research Computing at Your Campus Through the Open Science Grid <i>Speakers: Christina Koch, Carrie Brown, Mats Rynge, Emelie Fuchs, Lauren Michael</i>	Brella
8:00am – 12:00pm	T	TUTORIAL FULL - Customizing OpenHPC: Integrating Additional Software and Provisioning New Services including Open OnDemand <i>Speakers: Christopher Simmons, Derek Simmel, Karl Schulz</i>	Brella
8:00am – 12:00pm	T	TUTORIAL FULL - Introduction to NumPy <i>Speakers: Wim Cardoen</i>	Brella
8:00am – 12:00pm	K	ACM SIGHPC SYSPROS Symposium 2020 <i>Speakers: John Blaas, Jenett Tillotson</i>	Brella
8:00am – 12:00pm	K	Supporting Computational and Data-intensive Research through Research Computing and Library Collaboration <i>Speakers: Robert M Freeman Jr, Shelley Knuth, Christina Maimone, Amy Neeser, Anna Sackmann, Claire Mizumoto, Jonathon Anderson, Nickoal Eichmann-Kalwara</i>	Brella
8:00am – 12:00pm	K	Tapis Early Adopter <i>Speakers: Joe Stubbs, Gwen Jacobs, Sean Cleveland, Maytal Dahan</i>	Brella
8:00am – 12:00pm	K	Trustworthy Scientific Cyberinfrastructure (TrustedCI@PEARC20) <i>Speakers: Jim Basney</i>	Brella
8:00am – 5:00pm	T	Open OnDemand, XDMoD, and ColdFront: an HPC center management toolset <i>Speakers: Dori Sajdak, Eric Franz, Ben Plessinger</i>	Brella
8:00am – 5:00pm	K	The Important Role People Play in Advancing the Use of Cloud Cyberinfrastructure in Research <i>Speakers: Brian Voss, Joel Peterson, Nick Weber, Rick McMullen, Shawn Slavin</i>	Brella
10:00am – 10:30am	R	Break and Networking	Brella
10:00am – 12:00pm	C	Hackathon Kick-off Meeting	Brella
11:00am – 12:00pm	S	Student Welcome	Brella
12:00pm – 1:00pm	L	Lunch Break and Networking	Brella
12:00pm – 1:00pm	S	Student Mentor/Mentee Meet and Greet	Brella
1:00pm – 3:00pm	S	Speed Networking Onboarding	Brella
1:00pm – 5:00pm	T	CANCELED SESSION - Democratizing/Demystifying Advanced Cyberinfrastructure for Deep Learning	Brella

Speakers: Paola A. Buitrago, Nick Nystrom, Tom Maiden, John Urbanic

1:00pm – 5:00pm	T	TUTORIAL FULL - Deep Dive into Constructing Containers for Scientific Computing and Gateways	Brella
		<i>Speakers: Eric Coulter, Jeremy Fischer, Stephen Bird, Sanjana Sudarshan, Peter Vaillancourt, Suresh Marru</i>	
1:00pm – 5:00pm	T	TUTORIAL FULL - Python 201: Building Better Scientific Software in Python	Brella
		<i>Speakers: Geoffrey Lentner, Lev Gorenstein, Amiya Maji</i>	
1:00pm – 5:00pm	T	TUTORIAL FULL - The Streetwise Guide to Jupyter Security	Brella
		<i>Speakers: Rick Wagner, Kay Avila</i>	
1:00pm – 5:00pm	K	Strategies for Enhancing HPC Education and Training (SEHET20)	Brella
		<i>Speakers: Nitin Sukhija, Scott Lathrop, Julia Mullen, Kate Cahill, Dana Brunson, Susan Mehringer</i>	
3:00pm – 3:30pm	R	Break and Networking	Brella
3:00pm – 4:15pm	C	Hackathon Check-in	Brella
3:00pm – 5:00pm	S	Exhibitor/Student Panel Discussion	Brella

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JULY 28 • TUESDAY

8:00am – 9:30am	Y	Plenary I - Welcome and Keynote - Cherri Pancake, ACM President <i>Speakers: Gwen Jacobs, Cherri Pancake</i>	Brella
9:30am – 9:45am	R	Break and Networking	Brella
9:30am – 9:45am	S	Volunteer Team Standup	Brella
9:45am – 10:45am	Y	Plenary I - Exhibitor Forum <i>Speakers: Pranav Mehta, Luke Wilson</i>	Brella
10:00am – 12:00pm	C	Hackathon Check-in	Brella
10:45am – 11:05am	N	VisQueue : An Analytical Dashboard for Science Exploration on HPC Systems <i>Speakers: Andrew Solis, Gregory Foss, Craig Jansen, Mathew Stelmaszek</i>	Brella
10:45am – 11:05am	M	Exploring collections of research publications with human steerable AI. 🏆 <i>Speakers: Alberto González Martínez, Billy Troy Wooton, Nurit Kirshenbaum, Dylan Kobayashi, Jason Leigh</i>	Brella
11:05am – 12:00pm	L	Lunch Break and Networking	Brella
12:00pm – 1:20pm	N	Building Science Gateways for Humanities <i>Speakers: Jun Zhou, Karen Smith, Greg Wilsbacher, Paul Sagona, David Reddy, Ben Torkian</i>	Brella
12:00pm – 1:20pm	N	Implementing a Prototype System for 3D Reconstruction of Compressible Flow <i>Speakers: Christiaan Gribble, Victor Eijkhout, Paul Navratil</i>	Brella
12:00pm – 1:20pm	N	PEGR: a management platform for ChIP-based next generation sequencing pipelines <i>Speakers: Danying Shao, Gretta Kellogg, Shaun Mahony, William Lai, B. Franklin Pugh</i>	Brella
12:00pm – 1:20pm	N	Tailoring Data Visualization to Diversely Informed End Users <i>Speakers: Ryan Theriot, James Hutchison, Nurit Kirshenbaum, Jason Leigh</i>	Brella
12:00pm – 1:20pm	C	CaRCC Town Hall	Brella
12:00pm – 1:20pm	M	A Pilot Benchmarking Study of Deep Neural Network Performance on Low Magnification Pathology ROIs <i>Speakers: Christopher Pondoc, Yanling Liu, Alexander Plisov</i>	Brella
12:00pm – 1:20pm	M	Evaluation of Clustering Techniques for GPS Phenotyping Using Mobile Sensor Data 🏆 <i>Speakers: Karl Schulz, Zachary Tschirhart</i>	Brella
12:00pm – 1:20pm	M	Extracting and Analyzing Deep Learning Features for Discriminating Historical Art <i>Speakers: Paul Rodriguez, Alan B. Craig, Alison Langmead, Christopher Nygren</i>	Brella
12:00pm – 1:20pm	M	On Multiview Robustness of 3D Adversarial Attacks <i>Speakers: Philip Yao, Tingting Chen, Hao Ji, rew So</i>	Brella

1:20pm – 1:35pm	R	Break and Networking	Brella
1:35pm – 2:35pm	N	Building an Interactive Workbench Environment for Single Cell Genomics Applications <i>Speakers: D Balamurugan, Kristina Plazonic, Kevin Abbey, Seema Husain, Neeraja Syed</i>	Brella
1:35pm – 2:35pm	N	GeoEDF: An Extensible Geospatial Data Framework for FAIR Science <i>Speakers: Rajesh Kalyanam, Lan Zhao, X. Carol Song, Venkatesh Merwade, Jian Jin, Uris Baldos, Jack Smith</i>	Brella
1:35pm – 2:35pm	N	Log Discovery for Troubleshooting Open Distributed Systems with TLQ <i>Speakers: Nathaniel Kremer-Herman, Douglas Thain</i>	Brella
1:35pm – 2:35pm	M	Autonomous Vehicle Control Using a Deep Neural Network and Jetson Nano <i>Speakers: Rocco Febbo, Brendan Flood, Julian Halloy, Patrick Lau, Kwai Wong, Alan Ayala</i>	Brella
1:35pm – 2:35pm	W	CyberAmbassadors: Results from Pilot Testing a New Professional Skills Curriculum  <i>Speakers: Astri Briliyanti, Julie Wilson Rojewski, Dirk Colbry, Katy Luchini-Colbry</i>	Brella
1:35pm – 2:35pm	W	Introducing Computing and Technology through Problem-Solving in Discrete Mathematics <i>Speakers: Robert Sinkovits, Osvaldo Soto</i>	Brella
2:35pm – 3:00pm	R	Break and Networking	Brella
2:35pm – 3:50pm	B	Ask.CI, the Q&A site for Research Computing : Year 2 Lessons Learned, Plans for Year 3 <i>Speakers: Julie Ma, Torey Battelle, Katia Bulekova, Aaron Culich, Jacob Pessin, Vanessa Sochat, Zoe Braiterman, Dana Brunson, Thomas Cheatham, Julia Cho, Christopher Coffey, Adrian Del Maestro, Shawn Doughty, John Goodhue, Brian Guilfoos, Chris Hill, Robert Knight, Timothy Middelkoop, Lauren Milechin, Kaylea Nelson, Wilbur Ouma, Annelie Rugg, Bruce Segee, Raminder Singh, Susan Sons, Mete Tunca, Scott Valcourt, Larry Whitsel, Scott Yockel</i>	Brella
2:35pm – 3:50pm	B	Identifying Opportunities and Needs for Science Gateways in Education at Minority Serving Institutions <i>Speakers: Marlon Pierce, Linda Hayden, Michael Zentner, Linda Akli, Dinadayalane Tandabany, Raphael Isokpehi, Charles Dey, Ana Carmen Gonzalez</i>	Brella
2:35pm – 3:50pm	B	Open OnDemand User Group Meeting <i>Speakers: Alan Chalker, David Hudak, Robert Deleon, Robert Settlege</i>	Brella
2:35pm – 3:50pm	B	Professional and Educational Development of High Performance Computing Systems Operations and Facilitator Professionals <i>Speakers: Stephen Harrell, Shelley Knuth, Joshua Baller, John Blaas, Thomas Hauser, Scott Lathrop, Robert Thoelen</i>	Brella
3:00pm – 4:15pm	C	Hackathon Check-in	Brella
3:00pm – 5:00pm	V	Poster and Visualization Showcase	Brella

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JULY 29 • WEDNESDAY

8:00am – 9:30am	Y	Plenary Panel: Introduction of the new NSF Innovative HPC systems <i>Speakers: Gwen Jacobs, X. Carol Song, William Gropp, David Y. Hancock, Paola A. Buitrago, Amit Majumdar</i>	Brella
9:30am – 9:45am	S	Volunteer Team Standup	Brella
9:30am – 10:15am	R	Break and Networking	Brella
10:15am – 10:55am	N	Atomic and Molecular Scattering Applications in an Apache Airavata Science Gateway <i>Speakers: Sudhakar Pamidighantam, Barry Schneider, Klaus Bartschat, Oleg Zatsarinny, Kathryn Hamilton, Igor Bray, Armin Scrinzi, Fernando Martin, Jesus Gonzalez Vasquez, Jonathan Tennyson, Jimena Gorfinkiel, Robert Lucchesse</i>	Brella
10:15am – 10:55am	N	Toward a Data Lifecycle Model for NSF Large Facilities <i>Speakers: Laura Christopherson, Anirban Mandal, Ilya Baldin, Erik Scott</i>	Brella
10:15am – 10:55am	W	Cyberinfrastructure Facilitation Skills Training via the Virtual Residency Program <i>Speakers: Henry Neeman, David Akin, Hussein Al-Azzawi, Kevin L. Brandt, Jamene Brooks Kieffer, Dana Brunson, Dirk Colbry, Sandra Gesing, Anna Klimaszewski-Patterson, Claire Mizumoto, Joy A. Pine-Thomas, Anita Z. Schwartz, Horst Severini, Mohammed Tanash, Daniel Voss</i>	Brella
10:15am – 10:55am	W	NCSA Internship Program for Cyberinfrastructure Professionals <i>Speakers: Daniel Lapine, Volodymyr Kindratenko, Luisa-Maria Rosu</i>	Brella
10:55am – 12:00pm	L	Lunch Break and Networking	Brella
10:55am – 12:00pm	S	Student Panel Discussion	Brella
12:00pm – 1:20pm	N	Cluster Usage Policy Enforcement Using Slurm Plugins and an HTTP API <i>Speakers: Matthew Li, Nicolas Chan, Viraat Chandra, Krishna Muriki</i>	Brella
12:00pm – 1:20pm	N	ICEBERG: Imagery Cyber-infrastructure and Extensible Building blocks to Enhance Research in the Geosciences. (A Research Programmer's Perspective) <i>Speakers: Bradley Spitzbart, Heather Lynch, Shantenu Jha, Matteo Turilli</i>	Brella
12:00pm – 1:20pm	N	Research Computing Infrastructure and Researcher Engagement: Notes from Neuroscience <i>Speakers: Rajendra Bose, Alexander Antoniadis, John Pellman</i>	Brella
12:00pm – 1:20pm	N	Using Containers to Create More Interactive Online Training and Education Materials <i>Speakers: Brandon Barker, Susan Mehringer</i>	Brella
12:00pm – 1:20pm	C	Campus Champions Fellow Presentation	Brella
12:00pm – 1:20pm	W	Building a Gateway Infrastructure for Interactive Cyber Training and Workforce Development <i>Speakers: Lan Zhao, X. Carol Song, Larry Biehl, Venkatesh Merwade, Matthew Huber, Jing Liu, Uris Baldos, Ilya Shunko</i>	Brella

12:00pm – 1:20pm	W	Fostering Collaboration Among Organizations in the Research Computing and Data Ecosystem <i>Speakers: Sharon Broude Geva, Dana Brunson, Thomas Cheatham, James Deaton, James Griffioen, Curt Hillegas, Douglas Jennewein, Gail Krovitz, Tobin Magle, Patrick Schmitz, Karen Tomko, James Wilgenbusch</i>	Brella
12:00pm – 1:20pm	W	From novice to expert: Supporting all levels of computational expertise in reproducible research methods <i>Speakers: Kate Hertweck, Carly Strasser</i>	Brella
12:00pm – 1:20pm	W	Northeast Cyberteam: Workforce Development for Research Computing at Small and Mid-sized Institutions <i>Speakers: John Goodhue, Julie Ma, Adrian Del Maestro, Sia Najafi, Bruce Segee, Scott Valcourt, Ralph Zottola</i>	Brella
1:20pm – 1:35pm	R	Break and Networking	Brella
1:35pm – 3:35pm	A	Bear: Cyberinfrastructure for Long-Tail Researchers at the Federal Reserve Bank of Kansas City <i>Speakers: Bj Lougee, Michael Robinson, Chris Stackpole, Mark Watson, Greg Woodward</i>	Brella
1:35pm – 3:35pm	A	Demonstrating a Pre-Exascale, Cost-Effective Multi-Cloud Environment for Scientific Computing <i>Speakers: Igor Sfiligoi, David Schultz, Benedikt Riedel, Frank Wuerthwein, Steve Barnett, Vladimir Brik</i>	Brella
1:35pm – 3:35pm	A	Deploying large fixed files datasets with SquashFS and Singularity <i>Speakers: Pierre Rioux, Gregory Kiar, Alexandre Hutton, Shawn T. Brown, Alan C. Evans</i>	Brella
1:35pm – 3:35pm	A	Grendel: Bare Metal Provisioning System for High Performance Computing <i>Speakers: Andrew Bruno, Salvatore Guercio, Doris Sajdak, Matthew Jones, Tony Kew</i>	Brella
1:35pm – 3:35pm	A	Informing the on/o -prem cloud discussion in Higher Education <i>Speakers: Srijith Rajamohan, Robert Settlege</i>	Brella
1:35pm – 3:35pm	A	Monitoring and Analysis of Power Consumption on HPC clusters using XDMoD 🏆 <i>Speakers: Joseph White, Martins Innus, Robert Deleon, Thomas Furlani, Matthew D. Jones</i>	Brella
1:35pm – 3:35pm	N	A Science Gateway for Simulating the Economics of Carbon Sequestration Technologies: SimCCS2.0 <i>Speakers: Sudhakar Pamidighantam, Marcus Christie, Jun Wang, Eroma Abeysinghe, Kevin Ellett, Ryan Kammer, Sean Yaw, Brendan Hoover, Richard Middleton</i>	Brella
1:35pm – 3:35pm	N	An extensible Django-based web portal for Apache Airavata <i>Speakers: Marcus Christie, Eroma Abeysinghe, Suresh Marru, Sudhakar Pamidighantam, Marlon Pierce, Dimuthu Upeksha, Stephen Adithela, Eldho Mathulla, Aarushi Bisht, Shivam Rastogi</i>	Brella
1:35pm – 3:35pm	N	Custos: Security Middleware for Science Gateways <i>Speakers: Isuru Ranawaka, Suresh Marru, Juleen Graham, Aarushi Bisht, Jim Basney, Terry Fleury, Jeff Gaynor, Dimuthu Wannipurage, Marcus Christie, Alexandru Mahmoud, Marlon Pierce, Enis Afgan</i>	Brella
1:35pm – 3:35pm	N	FutureWater Indiana: A science gateway for spatio-temporal modeling of water inWabash basin with climate change in focus <i>Speakers: Sudhakar Pamidighantam, Jennifer Dierauer, Chen Zhu, Lei Gong, Alan Walsh, Eroma Abeysinghe, Marcus Christie, Jun Wang</i>	Brella
1:35pm – 3:35pm	N	Reproducible and Portable Workflows for Scientific Computing and HPC in the Cloud <i>Speakers: Peter Vaillancourt, Bennett Wineholt, Brandon Barker, Plato Deliyannis, Jackie Zheng, Akshay Suresh, Adam Brazier, Rich Knepper, Rich Wolski</i>	Brella

1:35pm – 3:35pm	N	Tapis API Development with Python: Best Practices In Scientific REST API Implementation - Experience implementing a distributed Stream API 🏆 <i>Speakers: Sean Cleveland, Anagha Jamthe, Smruti Padhy, Joe Stubbs, Julia Looney, Michale Packard, Steve Terry, Richard Cardone, Gwen Jacobs, Maytal Dahan</i>	Brella
3:00pm – 5:00pm	C	Hackathon Final Presentations	Brella
3:35pm – 4:50pm	B	Curating a Training Curriculum for Effective Use of Cloud Platforms in Research Workflows <i>Speakers: Dana Brunson, Patrick Schmitz, James von Oehsen, Erik Lundberg, Scott Yockel</i>	Brella
3:35pm – 4:50pm	B	How to Extend the Productive Lifetime of Scientific Computing Equipment <i>Speakers: Mark Dietrich, Robert Gardner, Andrew Chien, Hakizumwami Birali Runesha</i>	Brella
3:35pm – 4:50pm	B	Strategies and Tactics for Increasing Inclusivity and Diversity in Advanced Research Computing <i>Speakers: Amy Schuele, David Hart, Tabitha Samuel, Shava Smallen</i>	Brella
3:35pm – 4:50pm	B	User Training and Engagement in Scientific Computing <i>Speakers: Arman Pazouki, Dhruva Chakravorty, Shelley Knuth</i>	Brella

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JULY 30 • THURSDAY

8:00am – 9:40am	A	A Research Computing and Data Capabilities Model for Strategic Decision-Making <i>Speakers: Patrick Schmitz, Claire Mizumoto, John Hicks, Dana Brunson, Gail Krovitz, Brella James Bottum, Joel Cutcher-Gershenfeld, Thomas Cheatham, Karen Wetzel</i>	
8:00am – 9:40am	A	Cloud and on-premises data center usage, expenditures, and approaches to ROI] {Cloud and on-premises data center usage, expenditures, and approaches to return on investment: A survey of academic research computing organizations <i>Speakers: Alan Chalker, Curtis Hillegas, Alan Sill, Sharon Broude Geva, Craig Stewart</i>	Brella
8:00am – 9:40am	A	Integrating Jupyter into Research Computing Ecosystems <i>Speakers: Joe Stubbs, Julia Looney, John Fonner, Gregory Zynda, Erik Ferlanti, Marjo Poindexter, Elias Chalhoub, Maytal Dahan, Matthew Vaughn</i>	Brella
8:00am – 9:40am	A	SLATE: Monitoring Distributed Kubernetes Clusters <i>Speakers: Gabriele Carcassi, Joe Breen, Lincoln Bryant, Robert Gardner, Shawn Mckee, Christopher Weaver</i>	Brella
8:00am – 9:40am	N	MetaFlowImics: Scalable and Reproducible Nextflow Pipelines for the Analysis of Microbiome Marker Data <i>Speakers: Cedric Arisdakessian, Sean Cleveland, Mahdi Belcaid</i>	Brella
8:00am – 9:40am	N	NLP Workflows for Computational Social Science: Understanding Triggers of State-Led Mass Killings <i>Speakers: Tim Burley, Lorissa Humble, Charles Sleeper, Abigail Sticha, Angela Chesler, Patrick Regan, Paul Brenner, Ernesto Verdeja</i>	Brella
8:00am – 9:40am	N	Scientific Data Annotation and Dissemination: Using the 'Ike Wai Gateway to Manage Research Data <i>Speakers: Sean Cleveland, Gwen Jacobs, Jennifer Geis</i>	Brella
8:00am – 9:40am	N	VisSnippets: A Web-Based System for Impromptu Collaborative Data Exploration on Large Displays 🏆 <i>Speakers: Andrew Burks, Luc Renambot</i>	Brella
9:40am – 10:00am	R	Break and Networking	Brella
9:40am – 10:00am	S	Volunteer Team Standup	Brella
10:00am – 11:00am	A	Cyberinfrastructure of a Multi-Petabyte Microscopy Resource for Neuroscience Research <i>Speakers: Kathy Benninger, Greg Hood, Derek Simmel, Luke Tuite, Arthur Wetzel, Simon Watkins, Alan Watson, Marcel Bruchez, Alexander Ropelewski</i>	Brella
10:00am – 11:00am	A	Frontera: The Evolution of Leadership Computing at the National Science Foundation <i>Speakers: John West, Dan Stanzione, Todd Evans, Tommy Minyard, Dhableswar Panda, Omar Ghattas</i>	Brella
10:00am – 11:00am	A	HAL: Computer System for Scalable Deep Learning	Brella

Speakers: Volodymyr Kindratenko, Dawei Mu, Yan Zhan, John Maloney, Sayed Hadi Hashemi, Ben Rabe, Ke Xu, Roy Campbell, William Gropp, Jian Peng

10:00am – 11:00am	N	Design and Deployment of Photo2Building: A Cloud-based Procedural Modeling Tool as a Service <i>Speakers: Manush Bhatt, Rajesh Kalyanam, Gen Nishida, Liu He, Christopher May, Daniel Aliaga, Dev Niyogi</i>	Brella
10:00am – 11:00am	N	Environmental Visualization: Moving Beyond the Rainbows <i>Speakers: Stephanie Zeller, Paul Navartil, Francesca Samsel</i>	Brella
10:00am – 11:00am	N	The Hawai'i Rainfall Analysis and Mapping Application (HI-RAMA): Decision Support and Data Visualization for Statewide Rainfall Data <i>Speakers: Jared H. McLean, Sean B. Cleveland, Matthew Lucas, Ryan Longman, Thomas W. Giambelluca, Gwen Jacobs, Jason Leigh</i>	Brella
10:00am – 11:00am	C	Hackathon Awards/Closing	Brella
11:00am – 12:00pm	L	Lunch Break and Networking	Brella
12:00pm – 1:20pm	A	An Open Ecosystem for Pervasive Use of Persistent Identifiers <i>Speakers: Rick Wagner, Mike D'Arcy, Kyle Chard, Rachana Ananthakrishnan, Ian Foster, Jim Pruyne, Brendan McCollam, Robert Schuler, Carl Kesselman, Philippe Rocca-Serra</i>	Brella
12:00pm – 1:20pm	A	JetLag: An Interactive, Asynchronous Array Computing Environment <i>Speakers: Steven R. Brandt, Alex Bigelow, Sayef Sakin, Katy Williams, Katherine E. Isaacs, Kevin Huck, Rod Tohid, Bibek Wagle, Hartmut Kaiser, Shahrzad Shirzad</i>	Brella
12:00pm – 1:20pm	A	OAuth SSH with Globus Auth <i>Speakers: Kyle Chard, Jason Alt, Rachana Ananthakrishnan, Ryan Chard, Ian Foster, Lee Liming, Steven Tuecke</i>	Brella
12:00pm – 1:20pm	A	Workflow Submit Nodes as a Service on Leadership Class Systems 🏆 <i>Speakers: George Papadimitriou, Karan Vahi, Jason Kincl, Valentine Anantharaj, Ewa Deelman, Jack Wells</i>	Brella
12:00pm – 1:20pm	N	Accelerated Real-time Network Monitoring and Profiling at Scale using OSU INAM <i>Speakers: Pouya Kousha, Kamal Raj Sankarapandian Dayala Ganesh Ram, Hari Subramoni, Dhableswar Panda, Heechang Na, Trey Dockendorf, Karen Tomko</i>	Brella
12:00pm – 1:20pm	N	Implementing a Loosely-Coupled Integrated Assessment Model in the Pegasus Workflow Management System <i>Speakers: Patrick Clemins, Scott Turnbull, Morgan Rodgers, Asim Zia</i>	Brella
12:00pm – 1:20pm	W	Best Practices in Project Management in a Large, Distributed Organization: Lessons Learned from XSEDE <i>Speakers: Leslie Froeschl, Marques Bland, Scott Wells</i>	Brella
1:20pm – 2:20pm	R	Break and Networking	Brella
1:35pm – 3:35pm	Y	Plenary III - Dr. Amy Friedlander, (Acting) Office Director of the Office of Advanced Cyberinfrastructure Directorate of Computer and Information Science and Engineering, National Science Foundation <i>Speakers: Amy Friedlander, Joseph Paris</i>	Brella
3:30pm – 4:30pm	S	Student Program Wrap-up	Brella
3:35pm – 3:50pm	B	Bridging the Data Transfer Gap: An Open Discussion between Researchers, Administrators, and Network Engineers <i>Speakers: Richard Angeletti, Kathy Benninger, Tom Hutton, Chris Jordan, Matt Kollross, Michael Lambert, Rick Mohr, Tabitha Samuel</i>	Brella
3:35pm – 3:50pm	B	COVID19: A Time of Trial and Unity in Research Computing	Brella

Speakers: Rebecca Belshe, Marisa Brazil, Christopher Coffey, Jeremy Frumkin, Douglas Jennewein, Chris Kurtz, Gil Speyer, Jason Yalim

3:35pm – 3:50pm B **Preparing EPSCoR institutions for Research Computing and Data Capabilities Model engagement** Brella
Speakers: Scotty Strachan, Venice Bayrd, Patrick Schmitz, Dana Brunson, Gwen Jacobs, Pips Veazey

3:35pm – 3:50pm B **The Cyberteam Portal: A Shared, yet Independent, Platform for Cyberteam Development** Brella
Speakers: Julie Ma, John Goodhue, Adrian Del Maestro, Shelley Knuth, Dhruva Chakravorty, Timothy Middelkoop, Sia Najafi, James Griffioen, Bruce Segee, Scott Valcourt, Ralph Zottola

5:00pm – 6:00pm R **PEARC20 Virtual Happy Hour 🍷** Brella
Speakers: Gwen Jacobs

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JULY 31 • FRIDAY

8:00am – 9:30am	P	FABRIC: Creating a Testbed of Testbeds <i>Speakers: Ilya Baldin, James Griffioen, Inder Monga, Anita Nikolich, Kuang-Ching Wang</i>	Brella
8:00am – 9:30am	P	Lessons from the Field, Resources to Advance Broadening Participation in Computing Efforts <i>Speakers: Sarah Dunton, Carol Fletcher, John Goodhue, Jeffrey Forbes, Crystal Franklin</i>	Brella
8:00am – 9:30am	P	Panel: Edge-to-Edge Distributed CI for Distributed Research <i>Speakers: Scotty Strachan, Barr von Oehsen</i>	Brella
8:00am – 9:30am	P	PEARC20 Panel Submission: Towards a National Cyberinfrastructure Ecosystem from Campus to National Facilities <i>Speakers: Donald F. McMullen, J. Eric Coulter, Richard Knepper, Resa Reynolds</i>	Brella
8:00am – 12:00pm	T	Fundamentals of Accelerated Data Science with RAPIDS <i>Speakers: Zahra Ronaghi</i>	Brella
8:00am – 12:00pm	T	How to build your own Deep Neural Network Framework <i>Speakers: Kwai Wong, Stanimire Tomov, Daniel Nichols, Rocco Febbo, Xianfeng Ma</i>	Brella
8:00am – 12:00pm	T	TUTORIAL FULL - Easy Deployment of Edge Services for the ScienceDMZ with SLATE <i>Speakers: Joe Breen, Robert Gardner, Lincoln Bryant, Mitchell Steinman, Shawn Mckee, Muhammed Akhdhor, Jason Stidd, Chris Weaver</i>	Brella
8:00am – 12:00pm	T	TUTORIAL FULL - Introduction to Docker, Singularity, and Kubernetes <i>Speakers: Ritu Arora, Charlie Dey, Ian Wang, Greg Zynda</i>	Brella
8:00am – 12:00pm	K	High Throughput Science <i>Speakers: Igor Sfiligoi, Frank Würthwein</i>	Brella
8:00am – 5:00pm	K	Leveraging a Research Computing and Data Capabilities Model for Strategic Decision-Making <i>Speakers: Patrick Schmitz, Dana Brunson, Gail Krovitz, Thomas Cheatham, Claire Mizumoto</i>	Brella
8:00am – 5:00pm	K	Research Software Engineers Community Workshop <i>Speakers: Christina Maimone, Ian Cosden, Charles Ferenbaugh, Daniel Katz, Chris Hill, Kenton McHenry, Kaspar Mueller</i>	Brella
8:00am – 5:00pm	K	What Does it Mean to be a Campus Champion? <i>Speakers: Shelley Knuth, Jay Alameda, Hussein Al-Azzawi, Torey Battelle, Marisa Brazil, Dana Brunson, Douglas Jennewein, Bj Lougee, Julie Ma, Timothy Middelkoop, Henry Neeman</i>	Brella
10:00am – 10:30am	R	Break and Networking	Brella
12:00pm – 1:00pm	L	Lunch Break and Networking	Brella
1:00pm – 5:00pm	T	Best Practices for High Performance Research Computing in the Cloud <i>Speakers: Tara Madhyastha, Ankit Malhotra, Pierre-Yves Aquilanti, Kevin Jorissen, Lee</i>	Brella

1:00pm – 5:00pm	T	Leveraging Tapis For Portable, Reproducible High Performance Computing In the Cloud <i>Speakers: Julia Looney, Charlie Dey, Anagha Jamthe, Joe Stubbs, Steve Black</i>	Brella
1:00pm – 5:00pm	T	Modern Tools for Supercomputers <i>Speakers: Si Liu, Robert McLay, Albert Lu, Kent Milfeld</i>	Brella
1:00pm – 5:00pm	T	TUTORIAL FULL - Programming Modern Multicore Processors <i>Speakers: Amit Ruhela, Lars Koesterke, John Cazes, Chris Ramos, Joe Garcia, Virginia Trueheart</i>	Brella
3:00pm – 3:30pm	R	Break and Networking	Brella
