

Day	Time	Session	
SUNDAY	8:00-5:00	REFEDS (separate registration required)	
	1:00-5:00	THE KEY ESSENTIALS FOR LEADERSHIP WORKSHOP (separate registration required)	
MONDAY	7:00-8:30	BREAKFAST	
	8:30-10:00	WORKING MEETINGS ACAMP	
	10:00-10:30	BREAK	
	10:30-12:00	WORKING MEETINGS ACAMP	
	12:00-1:30	LUNCH	
	1:30-3:00	OPENING GENERAL SESSION -- HARPER REED	
	3:00-3:30	BREAK	
	3:30-4:15	Advanced Cyberinfrastructure Research and Education Facilitators (ACI-REFs) Building a Transatlantic Network Cloud Compute: How to Create Production Cloud Resources Unizin: A University Operated Cloud for Digital Learning Denial of Service Attacks: Nuisance or Prime Threat? ACAMP	
	4:15-5:00	Next-generation Data Infrastructure for Climate Science Network Measurement: From Collection to Visualization NTIA IANA Functions Stewardship Transition: Overview of Process and Community Engagement DDoS Threat Report -- Insights from a Large, Regional Network Provider on Finding, Fighting, and Living with DDoS Attacks Building Network Awareness in High Energy Physics Data Models ACAMP	
	5:30-6:30	Winner's Circle	
	6:30-8:00	RECEPTION	
	TUESDAY	7:00-8:30	BREAKFAST
		8:30-10:00	Security Controls for an Age of Zero Trust Duo Deployment Experience - Tales from the Front Lines Why Session Integrity is Important
		8:30-9:15	Innovation in the Internet2 Community Update on CC-NIE DANCES Project Experiences Advanced Networking Development in Africa Cloud Compute: Behind the Curtains with Amazon Web Services ACAMP
		9:15-10:00	Operational Roundtable - Experiences from CC-NIE and CC*IE Deployments UHD (8K) Television Coverage of Large Sports Events in Brazil Integration in the Cloud: Kaltura Architecture ACAMP
		10:00-10:30	BREAK
		10:30-12:00	GENERAL SESSION
12:00-1:30		LUNCH	
1:30-2:15		Internet2 Network Virtualization Building the Perfect R&E Network Cloud Compute: Netflix Architecture Securing the Science DMZ, A Discussion Life Science Informatics: Trends From the Trenches ACAMP	
2:15-3:00		Empowering Research & Operations using AL2S Global Network Architecture for R&E Networks	

Day	Time	Session
		Gender Diversity Panel
		Cloud Management: Encryption
		Cybersecurity for Higher Education and Research: One World or Two?
		ACAMP
	3:00-3:30	BREAK
	3:30-4:15	The University of Arizona's Experience with the Internet2 Innovation Platform - 100GE, Science DMZ, SDN
		High-performance Networking Use Cases in Life Sciences
		Cloud Compute: Behind the Curtains with Microsoft Azure Architecture
		Building a Splunk-based Lumber Mill: Turning a Bunch of Logs into Useful Products
		A Twist on Monitoring Website Content
		ACAMP
	4:15-5:00	Foundations of Data-intensive Science: Technology and Practice for High Throughput, Widely distributed, Data Management and Analysis Systems
		Science Gateways - Novel Technologies Enhance Usability for Research Communities
		Scaling Up Your Network Monitoring: From the Garden Hose to the Firehose
		Internet of Things
		Privacy Preservation Through Good AIM
		ACAMP
WEDNESDAY	7:00-8:30	BREAKFAST
	8:30-9:15	On the Hidden Nature of Complex Systems
		X-Wave: NOAA's Solution to the TIC Mandate, Including Science DMZ
		Cloud Leadership: University Cloud Architects
		Federated Security Incident Response
		Central Person Registry and the Future of Identity at Penn State
		CAMP101: Title TBD
	9:15-10:00	Pushing the boundaries of traditional classrooms
		Experiences with 40G End-hosts
		Cloud Leadership: Cloud Provider Architects
		LARPP and PrivacyLens: Enabling the Attribute-based Lifestyle
		Implementation of IdM SOLUTION with Microsoft's Forefront Identity Manager
		CAMP101: Title TBD
	10:00-10:30	BREAK
	10:30-12:00	GENERAL SESSION
	12:00-1:30	LUNCH
	1:30-2:15	SciPass: 100G OpenFlow Science DMZ
		Experimenting with Network Policies, or the Art of Running Untrusted Applications in Your Production Network
		Cloud Management: Air Traffic Control
		SNMP Security on Campus Systems and Networks
		Shibboleth New Release and Update
		CAMP101: Title TBD
		ICTBioMed: Using OpenStack, perfSONAR, and a Science Gateway to Connect HPC Resources
	2:15-3:00	perfSONAR 3.4: Not Just Another Incremental Update
		The Science DMZ and the CIO - Data Intensive Science and the Enterprise
		Integration in the Cloud: Open Hybrid Cloud Fabric
		DNSSEC Deployment Status: Where We Are and Where We Want To Go DANE and Application Uses of DNSSEC

Day	Time	Session
		eduroam, GEANT supporting services suite
		CAMP101: Title TBD
		REN-ISAC Threat Analysis
	3:00-3:30	BREAK
	3:30-4:15	Flow-Aware Real-Time SDN Analytics
		Aspera session TBNL (1 of 2 proposed talks)
		Building the Metaverse: Architecting Distributed Virtual Environments
		FBI Approach to R&E Security Issues (Title TBD)
		CAMP101: Title TBD
		Federated Authorization
	4:15-5:00	Multi-Layer SDN for Ultimate Flexibility in R&E Networks
		OpenDaylight -- Cisco & Brocade Approaches
		SaaS in the Cloud
		ICANN Report: Security, Stability & Resiliency
		Attributes and Groups in the AAI Environment
		CAMP101: Title TBD
		Architecting Video Collaboration in the Cloud
THURSDAY	7:00-8:30	BREAKFAST
	8:30-5:00	ESCC (separate registration required)
	8:30-10:00	Identity Management for Virtual Organizations: Applying an Experience-Based Model Case Studies in Federated Identity Management for Scientific Collaboration Increasing the Value of InCommon Participation: Using COmanage to Support Your Researchers
	8:30-9:15	SDN Innovation and Use Cases in Research Networks
		Web10G: Real Time TCP Metrics for High Performance Networking
		Cloud Management: Logs in the Cloud
		New Crypto 101
		CAMP101: Title TBD
	9:15-10:00	High-performance Distributed Data Management on Terabit Networks
		Applications Of Small, Cheap Computers In Network Operations
		Data to the Cloud: CrashPlan Architecture
		Detecting and Quantifying IPv6-based SMTP Abuse
		Case Studies in Federated Identity Management for Scientific Collaboration
		CAMP101: Title TBD
	10:00-10:30	BREAK
	10:30-11:15	New Data Center and Transport Interconnect Technology
		Community Architects Forum
		Integration in the Cloud: IU's Cloud Storage Integration Service
		Securing the SDN WAN
		Security: The Silver Lining in Assurance
		CAMP101: Title TBD
	11:15-12:00	Using UDP/IP to move Data
		The Path to Network and Cloud Enlightenment & other LIGHTING TALKS (selected on-site)
		Software Defined Networking and Security
		Using Assurance as a Component of Access Control with ERP Business Systems
		CAMP101: Title TBD
	1:00-5:00	TRUST AND IDENTITY CORPORATE CAMP (separate registration required)