

7th GLOBAL RESEARCH PLATFORM WORKSHOP

Co-Located with IEEE International Conference on eScience 2026, Naples, Italy

<https://grpworkshop2026.theglobalresearchplatform.net/>

September 28-29, 2026, Teatro Room

Program – September 5, 2026

	MONDAY, September 28, 2026
9:00-9:10am 10 min	Welcome and 7GRP Introduction – Maxine Brown, UIC
9:10-9:30am 20 min 1 talk @ 20 min including Q&A	Workshop Overview Global Research Platform (GRP): A Software Defined, Globally Distributed, Multi-Domain Computational Science Environment – Architectural Framework, Innovations, Future Directions – Joe Mambretti , StarLight/iCAIR/NU/MREN
9:30-11:00am 90 min 2 talks @ 45 min each including Q&A	Session 1: Large-Scale Global Science, Part 1 Moderator: Joe Mambretti, StarLight, iCAIR/NU/MREN KEYNOTE 1: U.S. Department of Energy’s Genesis Mission: Strategic Investments in AI, HPC and Quantum Technologies – Chin Guok , ESnet KEYNOTE 2: American Science Cloud and the Transformational AI Models Consortium – David Martin , ESnet
11:00-11:30am 30 min	Break
11:30-1:00pm 90 min 3 talks @ 30 min each including Q&A	Session 1: Large-Scale Global Science, Part 2 Moderator: Karin Wessel, SURFnet Square Kilometer Array (SKA) Regional Centre Network and the Path to Science Verification – Ian Collier , UK Science & Technology Facilities Council (STFC) KREONET Data-Intensive Science Initiatives – Buseung Cho , KISTI, KREONET GÉANT Project Services for Large-Scale, Data-Intensive Science – Ivana Golub , PSNC/GÉANT
1:00-2:00pm 60 min	Lunch
2:00-4:00pm 120 min 4 talks @ 30 min each including Q&A	Session 2: Next-Generation Research Platforms Moderator: David Martin, ESnet SENSE: How End-to-End Resource Orchestration Is Changing Science Workflows – Chin Guok , ESnet Enabling Data-Intensive Science at Scale: The National Research Platform – Daniel Diaz , UCSD San Diego Supercomputer Center Overview of APAN APRP WG, Korea Research Platform Activities, Japan Research and Education Exchange FUJIXP – Jeonghoon Moon , KREONET Center, KISTI Agentic AI Data Transfer Node (AIDTN) – Jim Chen , iCAIR,NU/StarLight

4:00-4:10pm 10 min	Group Photo
4:10-4:30pm 20 min	Break
4:30-6:00pm 90 min 3 talks @ 30 min each including Q&A	Session 3: International Communications Testbeds for Data-Intensive Science: From Gbps/Tbps to Quantum, Part 1 Moderator: Jim Chen, iCAIR,NU/StarLight DCI Over Spectrum – Paolo Bolletta , GARR Scitags – Marian Babik , CERN Testbeds for Data-Intensive Science – Marc Lyonnais , External Research, Ciena R&D
6:00-6:10pm 10 min	Closing Session for Day 1 – Joe Mambretti, StarLight/iCAIR/NU/MREN
	TUESDAY, September 29, 2026
8:30-8:35am 5 min	Introduction to Day 2 – Joe Mambretti, StarLight/iCAIR/NU/MREN
8:30-10:35am 120 min 4 talks @ 30 min each including Q&A	Session 3: International Communications Testbeds for Data-Intensive Science: From Gbps/Tbps to Quantum, Part 2 Moderator: Joe Mambretti, StarLight/iCAIR/NU/MREN LHC Networking, Run 4, and the High-Luminosity LHC – Edoardo Martelli , CERN Progress Toward a Quantum Internet – Prem Kumar , Northwestern University Simulating the Quantum Internet Before We Build It: Recent Advances in SeQUeNCe – Rajkumar Kettimuthu , Argonne National Laboratory From SciStream to Globus Streams: Making Real-Time Data Streaming a Managed Service for Science – Rajkumar Kettimuthu , Argonne National Laboratory
10:35-11:05am 30 min 1 talk @ 30 min each including Q&A	Session 4: Enhancements of Major R&E Networks & Open Exchange Points, Part 1 Moderator: Marc Lyonnais, External Research, Ciena R&D NetherLight GXP and Fiber Sensing at SURF: Developments in Research Infrastructure – Karin Wessel , SURFnet
11:05-11:30am 25 min	Break
11:30-1:00pm 90 min 3 talks @ 30 min each including Q&A	Session 4: Enhancements of Major R&E Networks & Open Exchange Points, Part 2 Moderator: Marc Lyonnais, External Research, Ciena R&D Internet2 and NA REX – Chris Wilkinson , Internet2 400 Gbps Upgrade – Richard Klinger , CANARIE SingAREN and the Singapore Open Exchange – Francis Lee , SingAREN
1:00-2:00pm 60 min	Lunch

2:00-4:00pm 120 min 4 talks @ 30 min each including Q&A	Session 4: Enhancements of Major R&E Networks & Open Exchange Points, Part 3 Moderator: Ivana Golub, PSNC/GÉANT Indiana University International Networking – Ed Moynihan , Indiana University National eScience Network, Testbeds (OpenRAN/5GBeyond), Shared National HPC/AI CI – Leandro Ciuffo , RNP Internet2’s Support for Data-Intensive Science, Including SCinet and the NRE Program – Brenna Meade , Internet2 StarLight Software Defined Exchange Testbeds for Data Intensive Science – Joe Mambretti , StarLight/iCAIR/NU/MREN
4:00-4:10pm 20 min	Closing Session for Day 2 – Joe Mambretti, StarLight/iCAIR/NU/MREN
4:10-4:30pm 10 min	Break and Departure