HPC & Research Computing ARCATS workshop at Texas A&M - San Antonio
Theme: Designing a Roadmap for the Future of Research Computing at Texas A&M University–San Antonio

Sep 18, 2025, STEM 256

Agenda

Time	Description
8:00-9:00 am	***Registration***
9:00-9:15 am	***Welcome and Introduction***, Provost Dr. Mohamed AbdelRahman
9:15 – 9:45 am	***1 Keynote:*** *Presenter:* Amy Apon Understand national frameworks and funding models that support campus-level research computing infrastructure. NSF Program Director Dr. Amy Apon will share insights into NSF's cyberinfrastructure initiatives. She will highlight the the Campus Cyberinfrastructure (CC*) program, and how institutions can align priorities with federal guidance to enhance competitiveness and capacity.
9:45 – 10:15 am	***2 Keynote:*** *Presenter:* Dr Erin "Brendan" Roark Advancing AI/ML across the Texas A&M University System. Dr. Brendan Roark, Associate VP for Research (Centers & Institutes) at Texas A&M, will discuss defining, organizing, and financially sustaining core facilities—drawing from his leadership in strategic support of shared infrastructures. He will also present the vision for the NVIDIA Superpod for system researchers.
10:15 – 10:30 am	Break (coffee)
10:30 – 11:15 am	***How A&M-SA built the HPC, infrastructure and capacity*** Mr. Bill Griffenberg (CIO) and Mr. Jonathan Cooper (CSO)
11:15 – 12:00 pm	***TAMUSA Genomics research computing needs and use cases – Panel*** Panelists: Public Health Genetics and Genomics faculty
12:00 – 1:00 pm	**Lunch**
Afternoon Sessions: Defining Research Needs and Collaborative Roadmap	
1:00 pm – 2:15 pm	***Research Computing needs and use cases – Roundtable discussions*** ***(Moderators: Dr Lehman, Dr Alsmadi)*** *Participants:* Faculty and researchers from A&M-SA Colleges, *Topics:* Machine Learning Research & Applications, Discussion on current computational research challenges at TAMUSA, Identifying domain-specific requirements for HPC & ML, Exploring interdisciplinary collaboration opportunities.
2:15 – 3:00 pm	***Strategic Planning: Infrastructure*** ***(Mr. Nassos Galiopoulos, UTSA)*** Objective: Explore best practices for implementing scalable, secure, and user-focused IT systems for research and administration. With two decades of experience in IT leadership, Mr. Nassos Galiopoulos will highlight how digital transformation can underpin research computing capabilities, leveraging UTSA's strides in infrastructure modernization and learning management systems
3:00 – 3:30 pm	***Break - Coffee***

3:30– 4:00 pm	*3 Keynote: Presenter:* Dr **Richard Gerber NERSC – Senior Science Advisor** Objective: Illuminate the role of national-level HPC resources, user engagement models, and future scalability considerations. Dr. Richard Gerber, long-time Senior Science Advisor and former Head of the HPC Department at NERSC, will share how DOE's high-performance computing infrastructure successfully supports broad scientific communities, with lessons applicable to emerging institutional frameworks
4:00 – 5:00 pm	***Closing Remarks*** Summary of key insights and commitments, and Informal networking Consolidate working group outputs into a draft roadmap, assign follow-up responsibilities, and determine milestones for implementation. Convene to refine breakout outputs, finalize an integrated roadmap framework, and establish action items and timelines for advancing research computing at the university.