



Agenda

PSAAP IV Pre-Proposal Meeting

August 8 - 9, 2023

Location: Houston Airport Marriott at George Bush International (IAH)
18700 John F. Kennedy Blvd., Houston, TX

Meeting Location: Intercontinental Ballroom A

Meeting Attire: Business Casual

Tuesday, August 8, 2023

7:30 – 8:30 am Registration & Continental Breakfast Intercontinental Ballroom B

Welcome and Overview

Moderator, Tim Germann

8:30 – 8:40 am Welcome..... *Thuc Hoang (NNSA), ASC Program Director*

8:40 – 9:20 am Introduction to PSAAP IV*David Etim (NNSA), PSAAP Federal Program Manager*

9:20 – 9:40 am Characteristics & Management of PSAAP IV Centers *Fernando Grinstein (LANL)*

9:40 – 9:50 am Education and Lab Interactions, including Student Internships.....*Judy Hill (LLNL)*

9:50 – 10:10 am Questions & Answers

10:10 – 10:30 am *Break*..... Intercontinental Ballroom B

Key Cross-Cutting Topic Areas for PSAAP IV

Moderator, David Etim

10:30 – 10:50 am Verification & Validation / Uncertainty Quantification *Jim Ferguson (LANL)*

10:50 – 11:10 am Scientific Machine Learning..... *Ron Oldfield (SNL)*

11:10 – 11:30 am Exascale Computing Challenges: Application Perspectives*Erik Draeger (LLNL)*

11:30 – 11:50 am Emerging Computing Landscape and Opportunities.....*Dave Richards (LLNL)*

11:50 – noon Questions & Answers

12:00 – 1:15 pm *Lunch*..... Intercontinental Ballroom B



A Sampling of Some Areas of Interest for PSAAP IV

Moderator, Fernando Grinstein

- 1:15 – 1:30 pm Physics & Engineering Models *Jill Blecke (SNL)*
- 1:30 – 1:45 pm Hydro Algorithms *Britton Olson (LLNL)*
- 1:45 – 2:00 pm Scientific Workflow Management Challenges and Tools *Rob Neely (LLNL)*
- 2:00 – 2:15 pm Formal Methods *Robert Armstrong (SNL)*
- 2:15 – 2:30 pm Design Optimization *Abby Hunter (LANL)*
- 2:30 – 2:45 pm Questions & Answers
- 2:45 – 3:15 pm *Break* **Intercontinental Ballroom B**

Moderator, Judy Hill

- 3:15 – 3:45 pm Building Effective Multidisciplinary Teams: A Lab Experience
..... *Aimee Hungerford (LANL)*
- 3:45 – 4:30 pm Panel discussion: Best Practices and Lessons Learned
Elaine Raybourn (SNL), Moderator
Erik Draeger (LLNL)
Fernando Grinstein (LANL)
Aimee Hungerford (LANL)
Rob Neely (LLNL)
- 4:30 – 5:00 pm Questions & Answers
- 5:00 pm *Adjourn*
- 6:00 – 8:00 pm Reception & Networking Session **Intercontinental Ballroom Foyer**
Cash bar: 6:00 – 8:00 pm
Hors d'oeuvre service: 6:30 – 7:15 pm

Dinner on your own

Wednesday, August 9, 2023

- 8:00 – 8:30 am Coffee & Continental Breakfast **Intercontinental Ballroom A**
- 8:30 – 9:30 am PSAAP IV Process and Timeline *Tim Germann (LANL), AST Chair*
Including a discussion of the RFI and FOA structure and review criteria
- 9:30 – 10:00 am Networking, Question Preparation, & *Break*
- 10:00 – noon Questions & Answers *AST Panel*
- 12:00 pm *Adjourn*