NASA EPSCoR and Stennis Space Center Research Discussions



November 2022 NASA EPSCoR Virtual Caucus Meeting

Friday, November 18, 2022



Research Discussions with Stennis Space Center

Goal

 Establish connections between researchers at Stennis Space Center and EPSCoR Jurisdictions

Planning Committee Member

 T. Gregory Guzik, 	irector LA	, Ch
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- Denise Thorsen,
- Caitlin Milera,
- Mitch Krell,
- Anne Peek,
- Lauren Underwood,

Director LA, Chair NASA EPSCoR Caucus

Director AK

Director ND

NASA EPSCoR Deputy Project Manager

NASA SSC Chief Technologist

NASA SSC Technology Transfer Manager



List of Research Topics of Interest to SSC

- Intelligent Integrated System Health Management for Ground and Space Applications
- Autonomous Operations Capability for Ground and Space Applications
- Advanced Propulsion Test Technology Development
- Advanced Rocket Propulsion Test Instrumentation
- Advanced Manufacturing Techniques and Materials



Virtual Flash Presentations January 2023

Goal: Inform NASA SSC about EPSCoR Program and Showcase Research Capabilities at Jurisdictions

- 1. Modelled on Flash Talk session from January 2022
- 2. ~1.5-2 Hours in afternoon(Eastern) January 2023
- 3. Select ~20 speakers from submissions
- 4. Each speaker will be given ~2 minutes to cover their slide
- 5. Talks selected from submissions by planning committee
- All submitted slides and biographies will be distributed to SSC in a researcher booklet

Format

LSU Hosted Microsoft Teams Meeting



Research Flash Talk Submission Guidelines

One submission per researcher, no limit per jurisdiction

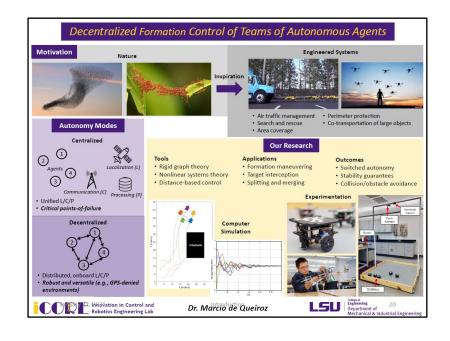
Researcher Submissions

- 1 Standard 4:3 10 in. x 7.5 in. Slide
 - Should highlight research capabilities and 2-3 min worth of material
 - No video or animations
- Biography
 - Submit via Word Document
 - Includes:
 - 1. Contact information
 - 2. Topic Area
 - 3. Title for Flash Talk
 - 4. Headshot
 - 5. Brief biography/research interest summary



Example Submission From January 2022







Follow On Roundtables

Allow EPSCoR Researchers to meet with SSC Researchers

- ~1 week after the Flash Talks
- Open to all jurisdiction researchers who submitted Flash Talks
- Will again target ~2 Hours in the Afternoon Eastern Time

Format

- LSU Hosted Microsoft Teams with breakout rooms
- Breakout room for each research topic with multiple, but a small number of, jurisdiction participants
- Jurisdiction participants will be able to visit multiple breakout rooms during allotted time
- Will provide additional breakout rooms for researchers to break off for one on one discussions if needed



Follow Up Effort and Assessment

Following the RoundTable meeting Directors should meet with their researchers

- Determine potential for new collaborations with the Center
- Support travel (via RID funding) of jurisdiction researchers to meet with Center researchers and discuss collaborative research
- Keep in mind that the Center will require ~4 to 8 week,
 depending on citizen status for processing visitor passes

Post event assessment survey

Later in Spring 2023 we will distribute a survey to NASA EPSCoR
 Directors to assess the outcomes and impact of this process



Tentative Timeline of Events

Research Topics Released Flash Talk Submission Due Presenters Selected Virtual Flash Talks Virtual Round Tables November 30
December 21
Mid-January
End January
Early February