Joint Center for Aerospace Technology Innovation (JCATI)

Fall Board Meeting

October 13, 2022 3:00-5:00 PM

Present: Todd Mosher (chair), Laila Elias, Dale Goulding, Robert Perez, Ryan Rule

Other Attendees: Beth Hacker (JCATI Program Manager), Nicole Larson (WWU Professor of Plastics and Engineering), Mehran Mesbahi (JCATI Executive Director)

Absent: Dave Dickson, Haluk Beyenal

A. Welcome
Dr. Hacker welcomed board members and each attendee introduced themselves.

B. January draft meeting minutes approved
The minutes of the January 13, 2022 board meeting were unanimously approved.

C. FY22 project final metrics
Dr. Hacker presented metrics pulled from FY22 project final reports which is sent annually to the Joint Legislative Audit and Review Committee (JLARC). JCATI did not receive a project application to partner with JCDREAM (Joint Center for Deployment and Research in Earth Abundant Materials) but we continue to discuss ways to enhance each other's goals. Board members overwhelmingly voted to continue the Undergraduate Scholars Program (USP) in the FY23 RFP. The program remains optional. Metrics show USP positively impacted undergraduate participation which supports JCATI's legislative mandate.

D. FY23 Projects
Dr. Hacker presented FY23 project information including research areas and school distribution.

E. 2023 Request for Proposals (RFP)
Dr. Hacker initiated a discussion about potential priority RFP topics. The RFP lists multiple aerospace categories so companies see JCATI as addressing their technology needs. The Board decided to keep the broad description but further develop the sustainability topic to include space and manufacturing.

F. 2023 JCATI Symposium
The board voted to hold an in-person symposium, which will be April 13 at the University of Washington HUB. Since the past 3 symposiums were virtual, Dr. Hacker described how the in-person event has been previously structured. Dr. Hacker also asked board members for speaker recommendations.

G. Discussion: Increasing JCATI's Profile
Dr. Hacker presented information regarding previous JCATI advertising campaigns and the lack of ROI. To increase JCATI's profile, board members suggested contacting AIAA and other professional societies, direct university outreach, hold or sponsor university seminars, staff industry day booths. LinkedIn is

used more than company websites so board suggested JCATI create a profile which other board members can promote.

H. Key Area Working Groups
Dr. Mesbahi presented his draft key area working group document focused on 5 broad space technology areas. The goal is to drill down to specific topics reflecting industry needs and academic expertise.

Board member feedback:

- Like the idea to capture the industry voice and hopefully increase project transition. For a better roadmap, should we survey industry to capture their needs? This might help engage industry and advertise for JCATI.
- Look at NIAR as an example of industry-academic interaction.
- What are the 3 main universities' capabilities and where are the overlaps with what companies need? Focus the road map on this intersection space and on partners who already have interest.
- Revise list to highlight specific disciplines (such as propulsion) not programs (lunar and mars exploration).
- Find joint niches and start small. Gather data to pick the right focus.

I. JCATI Operations
Dr. Hacker will send a Doodle poll for the January meeting as well as the May review meeting.

Action Items:

- Follow up on symposium topics and speaker ideas
- Follow up on visibility ideas and set up JCATI LinkedIn account
- Work with Dr. Mesbahi on reworking the Key Areas draft document and plan next steps
- Set up January board meeting
- Set up May project selection meeting