

**Joint Center for Aerospace Technology Innovation Board Meeting Minutes
October 8, 2015**

Board members present in person: Roger Myers (Chair), Mike Bragg, Ryan Rule, Naveed Deen

Board members present by teleconference: Candis Claiborn, Karl D'Ambrosio

Board members absent: Jean-Michel Hillion, Margaret McCormick

Other persons present in person: Mehran Mesbahi (JCATI Executive Director), Beth Hacker (JCATI Program Manager)

Public Session

Welcome: Dr. Myers welcomed the Board

Meeting agenda: Dr. Hacker presented the meeting agenda

Agenda

- New Board member introductions
- JCDREAM: Christian Mailhiot
- Biennium and 2015 RFP summary
- 2014-15 final reports
- Industry Transition Discussion
- EWU and CWU involvement in JCATI
- 2016 Symposium
- Future Action Items

New Board Members :

The Board welcomed three new members:

Karl D'Ambrosio, Director of Advanced Technology and Automation, Exotic Metals Forming Company, LLC

Naveed Deen, Boeing Account Executive, GE

Ryan Rule, President, SPEEA, IFPTE Local 2001

Dr. Myers suggested it would be helpful if all board members provided a short bio to be posted on the website. This would allow everyone to see their expertise

JCDREAM:

Dr. Christian Mailhiot is the new Director of the Joint Center for Deployment and Research in Earth-Abundant Materials (JCDREAM) just created by the legislature in June 2015. JCDREAM is a partnership between Washington State University, University of Washington and Pacific Northwest National Laboratory and is administratively based at WSU. The focus of JCDREAM is threefold: 1) clean energy and transportation technologies; 2) create an infrastructure and user facilities accessible to partners; 3) workforce education and training. Governance is through a 10

member board including academia, industry, community colleges, national security and environmental impact agencies. The program received \$2.2M in seed funding: \$2M for capital expenditure and \$200,000 in operating costs. Dr. Mailhiot is currently working to put together an operating plan for the legislature, which is due Dec. 1.

May Board Minutes:

Dr. Hacker presented the results of the May board meeting action items. Previous awardees did not resubmit applications due to project completion, missed submission deadline or couldn't find industry partner. The JCATI Board onboarding packet is complete and Dr. Hacker is working on new marketing materials. Any adjustment to the upcoming funding call will wait until after input from today's meeting.

The minutes were accepted unanimously and will be posted on the website.

Biennium and 2015 RFP Summary:

Dr. Hacker presented a summary of the 2015 funding recipients along with the areas of focus and geographic distribution of industry partners. Dr. Hacker also reminded the board that JCATI is at the halfway point of its existence, with the program slated to close July 1, 2020. Metrics from the 2014 awardees final report included patents, startups and new funding based on JCATI award. It was also noted that a small amount of funds were not spent by the awardees and must be returned to the state. Dr. Hacker will make sure that administrators are reminded about the importance of spending the entire JCATI award.

Industry Transition Discussion:

As part of the 2014 awardee final report, awardees were asked to provide a penta chart to concisely describe their project. This would allow Dr. Hacker to spread the word about their projects. The chart requires awardees to self-identify the Technology Readiness Level (TRL) of their project as it currently stands. A graph of the TRL levels show that projects aren't progressing to industry transition as fast as the board would like to see. At this meeting, the Board focused on what operational outcomes could be implemented to move projects through the pipeline faster. The Board felt that educating faculty about TRL levels and industry transition would be helpful, as this is something that isn't part of academic's training. Dr. Hacker will review what information is available to UW and WSU awardees at their tech transfer offices and see what can be put on the website. The application submission instructions and review criteria also need to be changed to increase the transition emphasis. The Board did not feel that they should limit the number of times a researcher can be funded. However, the applicant must show progression through a TRL in order to continue to receive funds. It was also suggested that some funds could be reserved for projects that at the end of their funding need just a small boost to finalize the transition. The idea of involving venture capitalists came up and the Board wondered if that is something that could be allowed. The increased involvement of the industry partner was also discussed, as it would make sure that industry really needed the technology in their company. The idea of a Transition Project Plan from the partner, as well as contributing to the final report would demonstrate that the project was making progress towards transition. Several board members discussed how to create forum where industry comes to us with problems to solve. For this to be successful, industry, not academics must be the driver even though the money goes to the academic partner. What is the best way to make industry the driver and create a pull for new technologies? The Board also needs to recognize that of OEM needs are different from small and medium aerospace companies who are involved with the

process and tools used to make aerospace components. Board members also discussed how to use aerospace events, such as those of PNAA, to interact with business, perhaps by hosting a reception or post project posters at events. Dr. Hacker will work with Dr. Mesbahi and Dr. Myers to select meetings having the most impact.

EWU and CWU Involvement in JCATI

Dr. Hacker presented her initial interactions with EWU and CWU and asked the Board how JCATI could involve these universities, which are not so research driven, in our program. It was suggested that we could fund industry funded capstone projects as long as they are linked to the JCATI mission. These projects would potentially be at a higher TRL level. The Board asked for more information about the specific programs at each of these schools before moving forward with this plan. The Board also agreed that the symposium would be a good opportunity for all parties to interact and begin a discussion.

2016 Symposium

The 2016 JCATI symposium will be held Thursday, April 21 2016 at the Spokane Convention Center with WSU as the host institution. Dr. Hacker has already started working with Dr. Claiborn to plan the meeting and Dr. Claiborn presented the names of a few potential speakers to the Board. Dr. Hacker asked Board members to provide speaker names by Friday, October 15.

Action Items : Dr. Hacker will:

- Ask board members for short bios for the website
- Send board members electronic copies of onboarding packet
- Compile EWU/CWU aerospace program info
- Work with Dr. Mesbahi and Dr. Myers to revise the RFP instructions and review criteria
- Print outreach materials and plan outreach strategy
- Speak with Todd Cleland regarding senior capstone plans