



**Brad Little**, Governor  
**Tom Kealey**, Director

## **IGEM INVESTMENT SUBCOMMITTEE MEETING**

October 30, 2019

Idaho Department of Commerce  
700 West State Street, Boise – JR Williams Building  
Second Floor – Clearwater Conference Room

### **IGEM Investment Subcommittee Members Present:**

Dr. David Hill, Chair  
Tom Kealey  
Janine Rush-Byers  
Paul Judge

### **Idaho Commerce Staff Present:**

Matt Borud, *Marketing and Innovation Administrator*  
Carmen Achabal, *IGEM Program Manager*  
Mark Blaiser, *Grants and Contracts Analyst*  
Kathy Schofield, *Administrative Assistant*

### **ISC Members via Phone:**

Rick Stott

### **Call to Order**

Dr. David Hill, serving as Chair, called the meeting to order at 9:00 a.m.

### **Approval of Minutes**

The IGEM Investment Subcommittee (ISC) meeting minutes from May 21, 2019 are before the ISC for approval.

### **Motion: To approve the minutes from the ISC meeting on May 21, 2019.**

Moved by: Tom Kealey.

Seconded by: Janine Rush-Byers.

All in favor. No discussion.

### **Motion approved.**

Rick Stott requested a roll call of individuals in attendance (as he was on the phone). Roll call of attendees.

### **As this is the first meeting of FY20, the IGEM grant program is fully funded at \$950,000.**

Dr. Hill and Director Kealey welcomed Paul Judge, the newest member of the ISC. Dr. Hill provide a succinct overview of the IGEM grant program and clarification that IGEM was not for early research.

Carmen Achabal recapped that Paul Judge's information and resume was sent to the IGEM Council for review. Paul's membership to the ISC was approved by the Council during the May Council meeting. Dr. Hill explained that the ISC does not decide grant funding, but rather screens and recommends projects to the full IGEM Council. The ISC operates under Idaho's public meetings act.

## **IGEM Application Review and Discussion - Carmen Achabal**

#3776: BSU – Avalanche Infrasound Monitoring (AIM)

Carmen Achabal summarized submitted comments. ISC discussed project. Resubmission of FY19 application.

**Motion: To not advance this project to the IGEM Council for funding consideration.**

Moved by: Tom Kealey.

Seconded by: Paul Judge.

All in favor. No discussion.

Motion approved.

#3782: BSU – Security, Big Data and Application Development

Carmen Achabal summarized submitted comments. ISC discussed project.

**Motion: To not advance this project to the IGEM Council for funding consideration.**

Moved by: Tom Kealey.

Seconded by: Paul Judge.

All in favor. No discussion.

Motion approved.

Carmen Achabal explained the process when informing teams if they advance or do not advance to the IGEM Council. All teams are contacted and provided with specific information relating to their application. This is followed up with a letter outlining said information that is sent to the Vice President of Research for the applying university, the Principal Investigator, the Industry Partner, and often, the Director for the Office of Technology Transfer. Dr. Hill offered to sit in on any of these discussions.

#3783: BSU – Innovative Foundation Alternative Using Root Foundation System

Carmen Achabal summarized submitted comments. ISC discussed project.

**Motion: To not advance this project to the IGEM Council for funding consideration.**

Moved by: Tom Kealey.

Seconded by: Paul Judge.

All in favor. No discussion.

Motion approved.

#3787: UI – Testing of a New Design of Wave Energy Conversion Device for Distributed Generation

Carmen Achabal summarized submitted comments. ISC discussed project.

**Motion: To not advance this project to the IGEM Council for funding consideration.**

Moved by: Tom Kealey.

Seconded by: Janine Rush-Byers.

All in favor. No discussion.

Motion approved.

**Rick Stott recused himself prior to discussion on #3788.**

#3788: UI – Flocked54 a New Genomic Selection Tool that Enhances the U.S. Sheep Industry  
Carmen Achabal summarized submitted comments. ISC discussed project. Dr. Hill stated Rick Stott would be good to verify facts but would not take his opinion or be allowed to vote.

**Motion: To advance this application to the IGEM Council for funding consideration without recommendation.**

Moved by: Tom Kealey.

Seconded by: Paul Judge.  
All in favor. No discussion.  
Motion approved.

**Application #3788 to advance to the IGEM Council.**

**Enter into Executive Session and exit the Public Session.**

**Dr. David Hill, Chair entertained a motion to enter into executive session to discuss applications that contained confidential and or proprietary information.**

*Pursuant to Idaho Code 74-206 (1) (d) to review records exempt from public disclosure under Idaho Code Sections 74-107(1), 74-107(6).*

Moved by: Tom Kealey.

Second by: Janine Rush-Byers.

Roll call vote was taken at 9:52 a.m.

All in favor; no discussion.

Motion approved.

**No notes were taken during Executive Session.**

#3768: BSU – Scalable Manufacturing of On-Chip Color Tunable Lasers  
ISC discussed project.

#3777: BSU – Light-Up RNA Biosensors  
ISC discussed project.

#3778: BSU – High-Precision MSM Micro-Pump  
ISC discussed project.

#3781: UI – Borated Aluminum Intermediate Used Fuel Storage Cask Phase II  
ISC discussed project.

#3785: UI – BlueWave Nanobubble Process for Advanced Separations in Water Treatment and Food Processing.  
ISC discussed project.

**Exit Executive Session and return to the Public Session.**

**Dr. David Hill, Chair entertained a motion to return to public session.**

Moved by: Janine Rush-Byers.

Seconded by: Tom Kealey.

Roll call vote was taken at 10:25 a.m.

All in favor; no discussion.

Motion approved.

The ISC returned to the public session. The Chair noted that the ISC:

1. Reviewed the application(s) submitted for IGEM funding; and
2. After discussions were concluded, closed the Executive Session with a roll call vote of the ISC membership; and
3. No funding decisions were made in Executive Session.

## Funding Recommendations

#3768: BSU – Scalable Manufacturing of On-Chip Color Tunable Lasers

Carmen Achabal summarized submitted comments. ISC discussed project.

**Motion: To advance this application to the IGEM Council for funding consideration without recommendation.**

Moved by: Tom Kealey.

Seconded by: Janine Rush-Byers.

All in favor. No discussion.

Motion approved.

### Application #3768 to advance to the IGEM Council.

#3777: BSU – Light-Up RNA Biosensors

Carmen Achabal summarized submitted comments. ISC discussed project.

**Motion: To not advance this project to the IGEM Council for funding consideration.**

Moved by: Tom Kealey.

Seconded by: Paul Judge.

All in favor. No discussion.

Motion approved.

#3778: BSU – High-Precision MSM Micro-Pump

Carmen Achabal summarized submitted comments. ISC discussed project.

**Motion: To not advance this project to the IGEM Council for funding consideration.**

Moved by: Janine Rush-Byers.

Seconded by: Tom Kealey.

All in favor. No discussion.

Motion approved.

#3781: UI – Borated Aluminum Intermediate Used Fuel Storage Cask Phase II

Carmen Achabal summarized submitted comments. ISC discussed project.

**Motion: To not advance this project to the IGEM Council for funding consideration.**

Moved by: Tom Kealey.

Seconded by: Paul Judge.

All in favor. No discussion.

Motion approved.

#3785: UI – BlueWave Nanobubble Process for Advanced Separations in Water Treatment and Food Processing

Carmen Achabal summarized submitted comments. ISC discussed project

**Motion: To not advance this project to the IGEM Council for funding consideration.**

Moved by: Tom Kealey.

Seconded by: Paul Judge.

All in favor. No discussion.

Motion approved.

### Public Comments

The next IGEM Council meeting is November 22 from 9:00 a.m. to 11:30 a.m.

Members suggested that requests to attend conferences, summits, etc. by the project teams should be at their expense, not submitted to IGEM. If travel is imperative for the project, these

expenses may be submitted. Carmen will relay this back to the Universities. ISC feels early stage development is not appropriate for IGEM.

**Review Action Items**

Projects #3768 and #3788 will advance to the IGEM Council. Carmen will schedule 25 minutes for the project team presentations.

**Motion: To adjourn the meeting.**

Moved by: Tom Kealey.

Seconded by: Janine Rush-Byers.

All in favor. No discussion.

**Motion approved.**

Dr. David Hill, Chair, adjourned the meeting at 10:41 a.m.