### **NSF LIFE SYSTEM**

PEAB IAB Meeting
Drexel University Nyheim Plasma Institute
February 11-12, 2019

Victoria Hill, PhD, Assessment Coordinator

### Sign onto LIFE system site

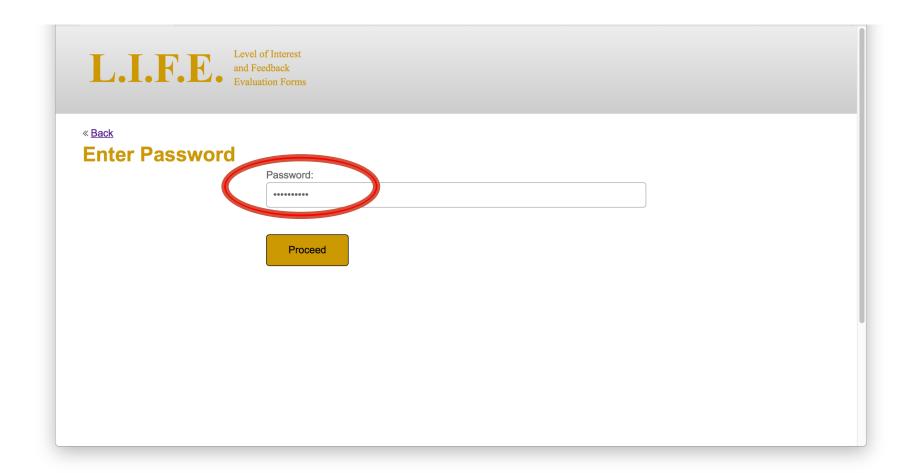
Go to: www.iucrc.com

 You will be re-directed to: https://iucrclife.chass.ncsu.edu/lifeforms/

## Choose: PEAB - Plasma Energy, Agriculture & Biomedical February 11, 2019

|                     | Open Meetings  |
|---------------------|--|
|                     | The following listing of meetings is within a $\pm 30$ day range |
| Date                | Center Name  |
| January 10th, 2019  | The LIFE Center  |
| January 17th, 2019  | NSF SHREC Center   |
| January 24th, 2019  | Center for Embedded Systems                                      |
| January 29th, 2019  | Ma2JIC   |
| January 30th, 2019  | Wind Energy Science, Technology(WindSTAR)                        |
| February 5th, 2019  | C-UAS Texas A&M Planning Mtg                                     |
| February 6th, 2019  | C-UAS Cntr for Unmanned Aircraft Sys IAB Mtg                     |
| February 7th, 2019  | CDADIC   |
| February 11th, 2019 | PEAB Plasma, Energy, Agriculture & Biomedical                    |
| February 12th, 2019 | Center for Farmounds and Sarraciant Systems                      |
| February 14th, 2019 | ASIC   |
| February 15th, 2019 | CIEE   |
| February 18th, 2019 | WGRC I/UCRC  |
| February 27th, 2019 | CADMIM   |
| March 5th, 2019     | DCJAR  |

# Enter Password: plasma2019 (all lowercase)



# IAB members choose role: IAB (Industrial Advisory Board)



# Choose: Evaluate Project after each presentation



Meeting Summary PDF Meeting Summary MS Word Meeting Summary

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### PEAB Plasma, Energy, Agriculture & Biomedical (Drexel Nyheim Plasma Institute) - February 11th, 2019

#### **IAB Feedback**

Index of Projects

| Project<br>Phase | Project Title   | Project<br>ID | Evaluate<br>Projects | Project<br>Summaries |
|------------------|---|---------------|----------------------|----------------------|
| New              | Plasma chemistry of water and other liquids - Greg Fridman (DU)   | 1             | Evaluate Project     | <u>Summary</u>       |
| New              | Waste-to-Energy and Water Treatment: Scaling Up to Industrial Size Gliding Arc Plasma - Alexander Rabinovich (DU) | 2             | Evaluate Project     | Summary              |
| New              | Planar plasma jet: characterization, diagnostics and surface interaction - Danil Dobrynin (DU)                    | 3             | Evaluate Project     | <u>Summary</u>       |
| New              | Adaptive plasmas and plasma mechanism - Michael Keidar, Taeyoung Lee (GWU)  | 4             | Evaluate Project     | <u>Summary</u>       |

### IAB response options for NEW projects

- Level of Interest
  - Very Interested
  - Interested
  - Interested with Change
  - Not interested

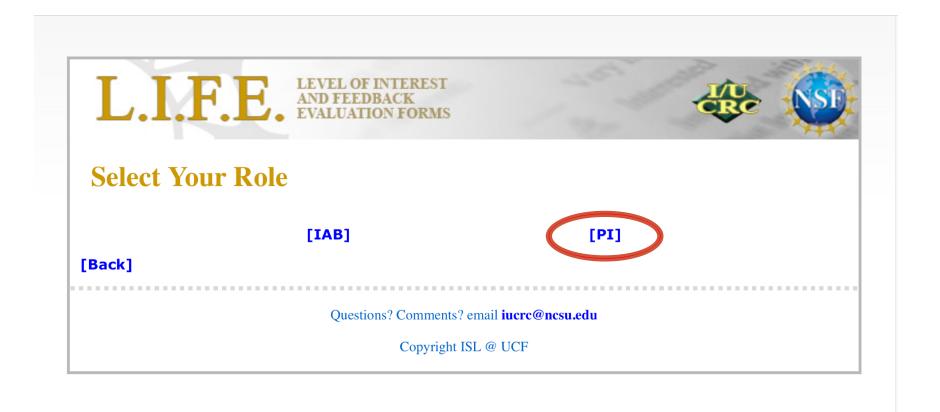
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- Abstain (Outside my group's ability to evaluate)
- I've already rated providing additional comments
- Comments
- Questions
- Suggestions

### After completing evaluation, Submit

| Suggestion:                           |   |
|---------------------------------------|---|
| Provide any suggestio<br>or interests | ns you have for improving this project or making it more relevant to you need         |
| of filterests                         |   |
|                                       |   |
|                                       |   |
|                                       |   |
|                                       |   |
|                                       |   |
|                                       | <i>//</i>   |
| Note: This informat                   | ion will not be disulted during the review  |
|                                       | ion will not be divulged during the review  |
| Note: This informat                   | ion will not be divulged during the review  |
| Your Name:                            | ion will not be divulged during the review  |
|                                       | ion will not be divulged during the review  |
| Your Name:                            | ion will not be divulged during the review  |
| Your Name: Your Organization:         | ion will not be divulged during the review  |
| Your Name: Your Organization:         | ion will not be divulged during the review  Questions? Comments? email iucrc@ncsu.edu |

## Researchers choose: PI (Principal Investigator) to respond to IAB comments



### PI Instructions







#### **Instructions for PIs:**

By selecting "Response to comments" on the following page next to your project you will be able to respond to specific comments provided by IAB members. Simply write a reply in the text box that is provided, enter your name and select "Submit Response" when done. Multiple PIs can submit comment. Your reply and name will be visible to all who access the site and will be debriefed at the IAB session.

#### Please note:

- Only provide replies for your project
- Do not feel obligated to reply to every comment (e.g., "great project" probably doesn't require a reply)
- Be brief and to the point in your replies: less is more

[Continue to Response Page]

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Questions? Comments? email iucrc@ncsu.edu

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### Pls respond to IAB on their own projects



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### PEAB Plasma, Energy, Agriculture & Biomedical (Drexel Nyheim Plasma Institute) - February 11th, 2019

#### PI Response

Index of Projects

| Project<br>Phase | Project Title   | Project<br>ID | Respond to Comments | Project<br>Summaries |
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| New              | Plasma chemistry of water and other liquids - Greg Fridman (DU)   | 1             | Respond to Comments | <u>Summary</u>       |
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| New              | Planar plasma jet: characterization, diagnostics and surface interaction - Danil Dobrynin (DU)                    | 3             | Respond to Comments | <u>Summary</u>       |
| New              | Adaptive plasmas and plasma mechanism - Michael Keidar, Taeyoung Lee (GWU)  | 4             | Respond to Comments | <u>Summary</u>       |

### Pls respond to IAB

- PI Summary Response can respond to Level of Interest scoring
- PI should also respond to specific
  - Questions
  - Comments
  - Suggestions
- You will need to identify yourself with your name so others can see who is responding

## To review Researchers' responses and others' questions on *individual projects*, choose Summary



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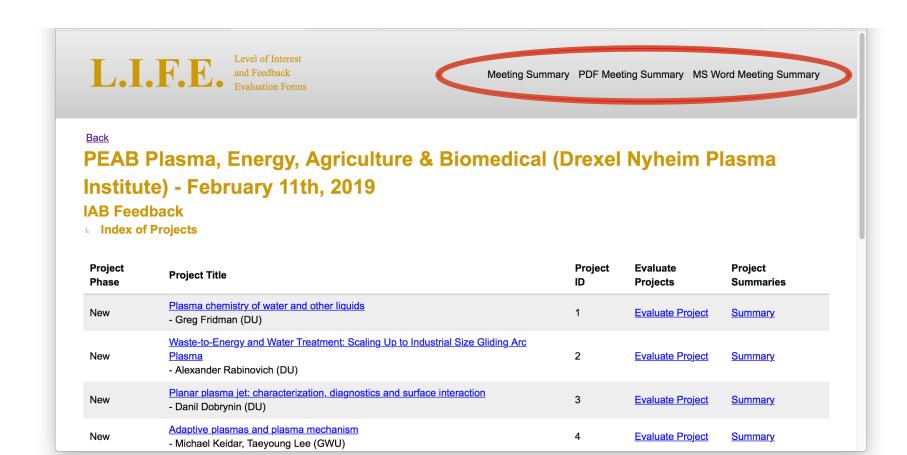
### PEAB Plasma, Energy, Agriculture & Biomedical (Drexel Nyheim Plasma Institute) - February 11th, 2019

#### **IAB Feedback**

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| New              | Adaptive plasmas and plasma mechanism - Michael Keidar, Taeyoung Lee (GWU)  | 4             | Evaluate Project     | <u>Summary</u>       |

## To review the ratings for *all* the presented projects, choose Meeting Summary, PDF, or Word Meeting Summary



### Member Pulse Survey

- NSF has initiated a new "Member Pulse Survey" to generate quick and immediate feedback from each meeting
  - The link is at the very end of the list of projects
  - Please have one individual per member complete the survey before the end of the IAB meetings
- Please complete the survey before you leave the IAB meetings

### Member Pulse Survey

|     |  | *  | · ·                |          |                  |                |
|-----|--|--|--------------------|----------|------------------|----------------|
| New | Plasma simulation validations - Carles Corbella (GWU)        |  |                    | 5        | Evaluate Project | <u>Summary</u> |
| New | <u>Discharge initiation</u> - Michael Keidar (GWU)           |  |                    | 6        | Evaluate Project | <u>Summary</u> |
| New | Adjustable pH plasma based w<br>- John Foster (UM)           | vater purification system                        |                    | 7        | Evaluate Project | <u>Summary</u> |
| New | Efficacy of Plasma Removal of - John Foster, Mark Kushner (U |  |                    | 8        | Evaluate Project | <u>Summary</u> |
| New | Addressing impedance matching - John Foster, Mark Kushner (U | ing <u>and noise generation in pulsec</u><br>UM) | d power plasma rea | actors 9 | Evaluate Project | <u>Summary</u> |
| New | Water Treatment and Waste-to - Anatoly Maltsev (DU)          | p-Energy Conversion by Plasma a                  | ind Nanoparticles  | 10       | Evaluate Project | <u>Summary</u> |
|     |  |  |                    |          |                  |                |

Designated member representative (one per member) please complete t Member Pulse Survey

Welcome to the new site! If you find any issues, please contact iucrc@ncsu.edu.

### Importance of Feedback

- LIFE feedback from IAB is critical to helping Researchers clearly define projects that IAB members are interested in funding.
- LIFE Researcher response to IAB feedback is critical to helping IAB understand details of presented projects, and for Researchers to make modifications/extensions to projects to appeal to IAB.