

**National Science Foundation Industry/University
Cooperative Research Center (IUCRC) for
High Pressure Plasma Energy, Agriculture and
Biomedical Technologies (C-PEAB)**
2nd IAB Meeting Agenda



LOCATION:

Nyheim Plasma Institute
200 Federal Street, Suite 500
Camden, NJ 08103

Monday, February 11th, 2019

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|----------------|---|
| 8:30 am | Participant Registration |
| 8:30–9:15 am | Breakfast and Networking Time
<i>Coffee and snacks provided</i> |
| 9:15–9:30 am | Welcome Remarks <ul style="list-style-type: none">• Aleister Saunders, <i>Senior Vice Provost for Research</i> |
| 9:30–10:15 am | C-PEAB Center Activities Update <ul style="list-style-type: none">• Alexander Fridman, <i>Center Director</i> |
| 10:15–10:45 am | NSF IUCRC Presentation <ul style="list-style-type: none">• IUCRC Program Director Dr. Andre Marshall and C-PEAB Evaluator Dr. Victoria Hill |
| 10:45–11:15 am | IAB Logistics <ul style="list-style-type: none">• Explanation about the voting procedure, project selection and approval process, and other logistical issues by Center Director and IAB Interim Chair. |
| 11:15–11:30 am | Coffee Break
<i>Coffee and snacks provided</i> |
| 11:30–12:30 pm | Project Presentations
25 min presentation + 5 min Q&A. LIFE forms for each project must be filled out (electronic and paper) prior to start of next presentation. <ul style="list-style-type: none">• Project 1: Plasma chemistry of water and other liquids, DU, <i>PI: Greg Fridman</i>• Project 2: Waste-to-Energy and Water Treatment: Scaling Up to Industrial Size Gliding Arc Plasma, DU, <i>PI: Alexander Rabinovich</i> |
| 12:30–1:30 pm | Onsite Lunch
<i>Vegetarian and non-vegetarian sandwiches, salads, etc.</i> |
| 1:30–4:00 pm | Project Proposal Presentations |

25 min presentation + 5 min Q&A. LIFE forms for each project must be filled out (electronic and paper) prior to start of next presentation.

- **Project 3: Planar plasma jet: characterization, diagnostics and surface interaction**, DU, *PI: Danil Dobrynin*
- **Project 4: Adaptive plasmas and plasma mechanism**, GWU, *PI: Michael Keidar, Taeyoung Lee*
- **Project 5: Plasma simulation validations**, GWU, *PI: Carles Corbella*
- **Project 6: Discharge initiation**, GWU, *PI: Michael Keidar*
- **[10 minutes] Project 7: Adjustable pH plasma based water purification system**, UM, *PI: John Foster*
- **[10 minutes] Project 8: Efficacy of Plasma Removal of Oil Molecules in Water**, UM, *PI: John Foster / Mark Kushner*
- **[10 minutes] Project 9: Addressing impedence matching and noise generation in pulsed power plasma reactors**, UM, *PI: John Foster / Mark Kushner*
- **Project 10: Water Treatment and Waste-to-Energy Conversion by Plasma and Nanoparticles**, DU, *PI: Anatoly Maltsev*

4:30–4:45 pm

Coffee Break

Coffee and snacks provided

4:45–5:45 pm

C-PEAB Center Operations, Dr. Marc Jacofsky, Plasmology4

- C-PEAB Bylaws discussion
- Voting procedures and interaction be

5:45–6:00 pm

Review of evening and Day 2 activities (Center Director)

6:15 pm

Technical Forum and Social

Buffet-style dinner options and refreshments provided

Tuesday, February 12th, 2019

8:30–9:00 am

Arrival and Breakfast

Coffee and snacks provided

9:00–10:30 am

LIFE FORM Review and Discussion

- 15-minute reminder about all C-PEAB projects (Center Director)
- LIFE form review and discussion about individual projects (all PIs).

10:30–11:15 am

Center Response to Feedback from C-PEAB Operations meeting

- Each PI responds to comments from the LIFE forms and comments from attendees.

11:15–11:30 am

Coffee break

Coffee and snacks provided

11:30–12:15 pm

NSF Closed Session with Industry

12:15–12:45 pm **Next Steps, Action Items & Closing Remarks** (All participants)

12:45 pm **Onsite lunch and adjourn**

Vegetarian and non-vegetarian sandwiches, salads, etc.