

**INDUSTRY ADVISORY BOARD MEETING  
NATIONAL SCIENCE FOUNDATION CENTER  
FOR LASERS AND PLASMAS FOR ADVANCED MANUFACTURING**

**AGENDA**

**Dates:** Thursday, November 11 - Friday, November 12, 2010

**Location:** Miller Center, *University of Virginia- Charlottesville, Virginia*

**Wednesday, November 10, 2010**

8:00 a.m. -4:00 p.m. Workshop on “Laser Based Manufacturing” at the Miller Center

4:15 p.m. – 5:45 p.m. Free Tour of Charlottesville Beautiful Wineries (those interested)

6:00 p.m. - 7:30 p.m. Dinner for those in town

**8:00 p.m.** Concert by Bob Dylan at the University of Virginia John Paul Arena with tickets

**Thursday, November 11, 2010**

|                         |   |   |
|-------------------------|---|---|
| 8:00 a.m.-8:30 a.m.     | Registration and continental breakfast                        |   |
| 8:30 a.m. – 8:45 a.m.   | Welcome to UVa  | Dean, College of Engineering                              |
| 8:45 a.m. - 9:00 a.m.   | Welcome & Introductions                                       | Bill Stone, NAVAIR, Chairman                              |
| 9:00 a.m. - 9:15 a.m.   | NSF Presentation  | Dr. Rathindra DasGupta, NSF                               |
| 9:15 a.m. - 10:00 a.m.  | Overview of Center Progress<br>& Technical Presentations      | Prof. Mool Gupta, UVa                                     |
| 10:00 a.m. - 10:30 a.m. | Coffee Break  |   |
| 10:30 a.m.-11:15 a.m.   | Overview and Technical<br>Presentations                       | Prof. Jyoti Mazumder, UM                                  |
| 11:15 a.m. - 12:00 a.m. | Overview and Technical<br>Presentations                       | Prof. Rado Kovacevic, SMU                                 |
| 12:00 a.m. - 1:00 p.m.  | Lunch Break   |   |
| 1:00 p.m. – 1:45 p.m.   | Overview and Technical<br>Presentations                       | Prof. David Ruzic, U of Illinois                          |
| 1:45 p.m. – 2:30 p.m.   | Technical Capabilities of<br>Potential New University Members | Prof. Matt Goeckner, UTDallas<br>Prof. Steve Shannon-NCSU |
| 2:30 p.m. - 3:00 p.m.   | Afternoon Break   |   |
| 3:00 p.m. - 4:15 p.m.   | Life Form for UVA, SMU, UM and UI                             | Prof. Don Davis, ODU                                      |
| 4:15 p.m. – 5:00 p.m.   | Lab Tours of Prof. Gupta’s Laboratory Facilities              |   |

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|-----------------------|--|---------------------------|
| 6:00 p.m. – 7 p.m.    | Reception at the Miller Center and Poster Displays                   |                           |
| 7:00 p.m. - 9:00 p.m. | Dinner at the Miller Center<br>Dinner Talk by Astronaut Hall of Fame | Dr. Kathryn Thornton, UVA |

**Friday, November 12, 2010**

|                         |                                   |                                  |
|-------------------------|-----------------------------------|----------------------------------|
| 8:00 a.m. - 8:30 a.m.   | Breakfast                         |                                  |
| 8:30 a.m. – 9:00 a.m.   | Roadmap for Laser Process Sensors | Prof. M. Gupta                   |
| 9:00 a.m.-9:30 a.m.     | Roadmap for Laser Micromachining  | Prof. J. Mazumder                |
| 9:30 a.m. -10 a.m.      | Roadmap for Laser Welding         | Prof. R. Kovacevic & team        |
| 10:00 a.m.-10:30 a.m.   | Roadmap for Plasma Processing     | Prof. D. Ruzic                   |
| 10:30 a.m. - 10:45 a.m. | Coffee Break                      |                                  |
| 10:45 a.m.- 11:45 a.m.  | Board closed door session         | Mr. Bill Stone, Chairman         |
| 11:45 a.m.- 12:30 p.m.  | Board feedback session            | Board Members & Center Directors |
| 12:30 p.m.- 1:30 p.m.   | Lunch                             |                                  |
| 1:30 p.m. -1:45 p.m.    | Center evaluation forms           | Prof. Don Davis                  |
| 1:45 p.m. – 2:00 p.m.   | Summary and Thank you             |                                  |

**Registration Cost: \$125.00**

Covers food for breakfast, breaks, lunch and dinner, conference facilities and miscellaneous. Pay by check, cash or credit card.

**Hotel Accommodations:**

Cavalier Inn, special rate for attendees at \$87/night. For reservation Call Cavalier Inn at 434-296-8111 and identify yourself as part of NSF Board member. Cavalier Inn is at the UVa campus and is well priced. Other hotels include: Omni, Boards Head Inn, Courtyard, and Holiday Inn

**Tours:** A winery tour is planned for November 10 from 4:15 p.m. to 5:45 p.m. and another can be arranged for Friday afternoon, after the meeting.

- A concert given by Bob Dylan is scheduled at the University of Virginia John Paul Arena on November 10 at 8 p.m. and discounted tickets at \$36 per person can be purchased if you let us know in advance.

**Workshop:** A workshop on “Laser Based Manufacturing “ is organized on 10<sup>th</sup> November. The workshop is free and will cover topics such as Digital Laser Manufacturing, Laser welding, Sensors for laser process monitor, Laser applications in Aerospace, Medical and Energy etc and . Speakers will include David Havirilla (Trumpf Laser), Gupta (UVa), Mazumder (UM), Frazer (Navair).....

**Board Meeting & Workshop Location:** Meetings will be held at the famous Miller Center (2201 Old Ivy Rd, Charlottesville, VA, 22903, phone: 434-243-2209. **About the Miller Center:**

“My own life since I left the White House has been greatly affected by the Miller Center” Jimmy Carter; “ I can’t think of a more valuable intellectual enterprise than the Miller Center” Bill Clinton; “The Miller Center is developing into a wonderful resource for the University of Virginia and for our entire country” George Bush; The Miller Center’s dedication to the American Presidency is truly exceptional... I know that Ronnie would be so pleased to see that the history of these eight years is being recorded for future generations” Nancy Regan.

**Airport Information:**

Charlottesville, Virginia has airport and has limited flights. You can also fly to Richmond, Virginia which has more flights and drive to Charlottesville, Virginia is one hour 10 min. You can also fly to Washington DC Dulles airport or Regan Airport and it takes about 2 hour drive time to Charlottesville if traffic is not bad.

**Football Game:**

There is a football game on Saturday, November 13 between The University of Virginia and University of Maryland. Tickets are available at \$36/per person (seats are too high up) and \$47/person or up. If anyone is interested in going to football game, purchase of tickets can be arranged.