Meeting Chair,
Shashank Priya, Ph.D.
Center for Intelligent Material Systems and Structures
Center for Energy Harvesting Materials and Systems

ROANOKE, VIRGINIA
USA
Schedule

• IWPMA 2011, 6th Annual Energy Harvesting Workshop, 3rd Annual CIMSS Conference
  – August 7-11, 2011

• Draft Schedule

• Sunday, August 7, 2011 IWPMA 2011
  – 8:00am Registration Opens, Exhibitors may begin set-up
  – 9:00am – Noon Morning Tutorial
  – Noon – 1:00pm Lunch on your own
  – 1:00pm – 5:00pm NSF INAMM Symposia
  – 6:00pm Welcome Reception

• Monday, August 8, 2011 IWPMA 2011
  – 7:50am – 8:55am Plenary Talk I
  – 9:00am – Noon Concurrent Sessions – oral presentations based on submitted abstracts
  – Noon – 1:00pm Lunch
  – 1:00 – 1:55pm Plenary Talk II
  – 2:00 – 5:00pm Concurrent Sessions – oral presentations based on submitted abstracts
  – 6:00pm IWPMA Banquet
  – Featured Speaker
Schedule (contd.)

• **Tuesday, August 9, 2011 IWMPA 2011**
  – 8:00 – 8:55am Plenary Talk III
  – 9:00am – Noon Concurrent Sessions – oral presentations based on submitted abstracts
  – Noon – 1:00pm Lunch
  – 1:00 – 1:55pm Plenary Talk IV
  – 2:00 – 5:00pm Concurrent Sessions – oral presentations based on submitted abstracts

• **Wednesday, August 10, 2011 6th Annual Energy Harvesting Workshop**
  – 8:00 – 8:55am Plenary Talk V
  – 9:00 – Noon Energy Harvesting talks - 2 concurrent sessions
  – Noon – 1:00pm Lunch
  – 1:00 – 1:55pm Plenary Talk VI
  – 2:30 – 5:30pm Tours
  – 6:00pm Energy Harvesting Dinner
  – Featured Speaker
Schedule (contd.)

- Thursday, August 11, 2011 3rd Annual CIMSS Conference
  - 7:30am – Noon CIMSS Inventor Award Symposia
  - 7:40 AM Introduction – Dan Inman
  - 8:00 AM FEM Analysis – Philippe Bouchilloux
  - 8:20 AM Magnetoelectric composites – Jungho Ryu
  - 8:40 AM Piezoelectric Transformers – Alfredo V. Carazo
  - 9:00 AM Ultrasonic Motors – Shuxiang Dong
  - 9:20 AM Piezoelectric Composites – A. Bhalla
  - 9:40 AM Cymbals and Moonie – A. Dogan
  - 10:00 AM High Power Piezoelectrics – S. Nahm
  - 10:20 AM Ultrasonic Motors – S. Yoon
  - 10:40 AM Piezoelectric transformer – J. Wallaschek
  - 11:00 AM Relaxor Single Crystals – D. Viehland
  - 11:20 AM Ultrasonic motors – B. Koc
  - 11:40 AM Commercialization of Piezoelectric Auto-Focus camera
    module and its great history, Bryan Kang, Samsung
  - 12:00 PM Summary – S. Priya
- Noon – 1:00pm Lunch
- 1:00 – 5:00pm Student Presentations Based on Funded Research Projects
Abstract Submission

• **Presentation Topics for IWPMA 2011:**
  – (i) Piezoelectric, Ferroelectric, and Multiferroic Materials
  (ii) Piezoelectric Actuators and Motors
  (iii) Piezoelectric Energy Harvesting
  (iv) Piezoelectric Transducers and Applications
  (v) Piezoelectrics in Bio-Inspired Autonomous Systems

• **Presentation Topics 6th Annual Energy Harvesting Workshop:**
  – (i) Energy Harvesting (piezoelectric, inductive, photovoltaic, and thermoelectric)
  (ii) Micro batteries and ultracapacitors
  (iii) Wireless networks for structural health monitoring
  (iv) Bio-inspired energy generation and conversion

*Abstract Submission Deadline* - February 28, 2011
*Abstract Acceptance Decision* - April 5, 2011
## Sponsorship

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<th>Sponsorship Level</th>
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| **Platinum - $5,000** | • Exhibition table for organization display  
  • Four full registrations (including banquet tickets)  
  • Name and logo mentioned in all publications, final program, special acknowledgment on workshop web page  
  • One short poster or organization banner on the front of panel discussion desk |
| **Gold - $3,000**  | • Exhibition table for organization display  
  • Two full registrations (including banquet tickets)  
  • Name and logo of the company mentioned in final program and web page  
  • One poster or company banner in the booth area |
| **Silver - $2,000** | • Exhibition table for organization display  
  • One full registration (including banquet tickets)  
  • Name and logo of the company mentioned in final program |
| **Exhibitor - $1,500** | • Exhibition table for organization display |
Roanoke, VA

Roanoke was derived from the Indian word "Rawrenock," a name for the shell beads worn by the Indians and used as trade goods.

Roanoke became a crossroads for the railroad, which eventually became the Norfolk and Western Railway (now, Norfolk Southern).

The city's most visible attraction is its star, a 100-foot-high illuminated steel and concrete structure, which has been a beacon at the top of Mill Mountain for more than 40 years. It stands as a "symbol of the friendliness, industrial and civic progress of Roanoke." Some nights, the star's glow can be seen for a 60-mile radius and is a landmark for night-time aviators.
Venue

- **The Hotel Roanoke and Conference Center**
  110 Shenandoah Avenue
  Roanoke, Virginia, 23016
  (540) 985-5900 or toll free 866-594-4722
  Conference rate of $129 single / $139 double plus taxes and fees
  Available until **July 7, 2011**
Tours

• **Natural Bridge Tour**
  – Participants on this tour will be treated to an afternoon at Natural Bridge.
  – The Bridge has been included in several "Seven Natural Wonders of the World" lists, mostly in the 19th and early 20th centuries. It has been designated a National Historic Landmark, a Virginia Historic Landmark, and is listed in the National Register of Historic Places.
  – Tour Cost: $75
Tours (contd.)

- Virginia Tech and CEHMS Tour:
  - A guided tour of Virginia Tech and CEHMS facilities.

- [http://www.vt.edu](http://www.vt.edu)
- [http://cehms.mse.vt.edu/](http://cehms.mse.vt.edu/)
Registration

• **Fee and Registration**
  – The conference fee includes continuous breaks throughout the day, lunches, the IWPMA dinner banquet on Monday, the Energy Harvesting Workshop dinner on Wednesday, and conference materials.
  – Tutorial Registration Fee (Sunday, August 7, 2011): **$249**
    • The tutorial registration fee includes an afternoon break and course materials.
  – Standard Participant Early Registration Fee: **$499** ($599 after July 7, 2011)
  – Student Registration Fee: **$349** ($449 after July 7, 2011)
  – Accompanying Person: **$249**
    • The accompanying person fee includes a ticket to the opening reception, Monday banquet, Wednesday dinner, lunches each day, and one of the tours.
  – Tour Fee for Natural Bridge: **$75**
  – Tour Fee for Virginia Tech: **$75**

• Registration deadline: **July 31, 2011.**
WHO TO CONTACT?

• Organizing Committee
  – IWPMA 2011 GENERAL CHAIRS
    • Shashank Priya, Virginia Tech, VA
    • Dan Inman, Virginia Tech, VA

• Contact Information
  – For questions regarding the workshop:
    • Shashank Priya, Workshop Chair
      spriya@mse.vt.edu, 540-231-0745
  – For questions regarding registration:
    • Holly Williams
      Continuing and Professional Education
      hmccall@vt.edu, 540-231-2188
  – Website
    • http://www.cpe.vt.edu/ehw/index.html
      – Google search for IWPMA 2011
Other attractions

- Biltmore Estate – the largest private home in the US (4hrs by car)
- Monticello – Thomas Jefferson’s home (2.5hrs by car)
- Washington DC’s National Mall (4.5hrs by car) –
  - Lincoln Memorial, Smithsonian, White House, etc
Stand facing the star and you can be seen online @

www.roanokeva.gov/starcam