

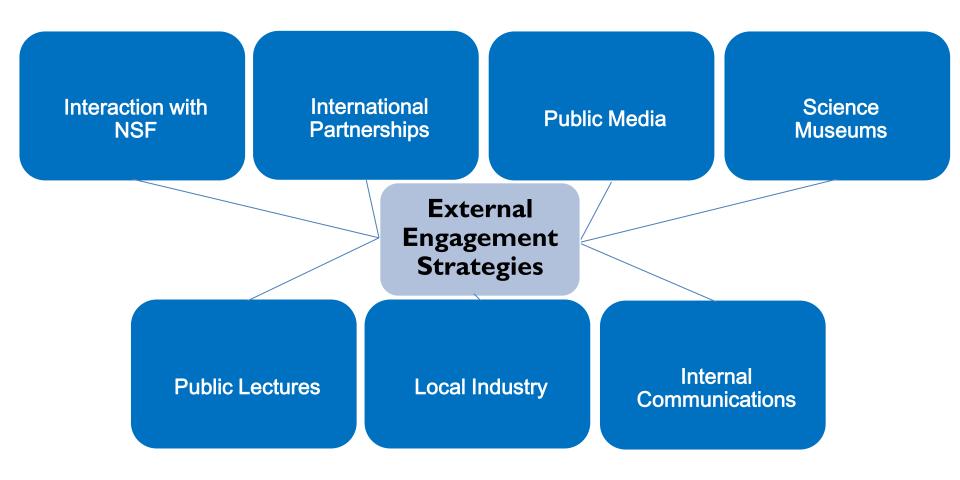
External Engagement

Noshir Pesika

[LA-SiGMA] will provide for efficient collection and dissemination of information between participants, the K-12 community, two-year colleges, and the general public.

External Engagement Strategies





Public Media



Public Lectures, News Media, EPSCoR Newsletters

Interview on Public Radio with RET teachers.



LA-SiGMA featured in EPSCoR newsletters.





Engaging the Public

SciPort Discovery Center, Shreveport, February 21, 2012





NSF/LA EPSCoR sponsored workshop: Science: Becoming the Messenger, November 17, 2011





Nanodays in Baton Rouge, March 26 & April 2, 2011; March 24 and 31, 2012; March 30 & April 6, 2013 Over 1,250 visitors

Public talks by DiTusa, Garno, Kurtz, & Sprunger

Balloon Nanotube at the 2013
NanoDays hosted at the
Louisiana Art & Science
Museum, Baton Rouge



Public Lectures: Speaking of Science (SoS)



SoS is one of the many programs administered by Louisiana EPSCoR. The program provides faculty speakers to K-12 schools free of charge.

5 SoS presentations in Year 3

2, 124+
Students reached in Year 3

15,725+

Students reached in the last 6 years







And Speaking of Science...

Slime and Science A Winning Combo

Slime is the scientific tool of choice of a Tulane professor when she addresses elementary students.

Why Sime? "Sline makes for a really sice demonstration and shows children to that science can be fan. It allows them to that, like a accentist—to develop a hypotheses and test it experimentally and they can pick it up and play with it too," says Dr. Drane filiale.

"If you want to interest kids it science I really think you have to reach them at an early age. I like to do presentations for elementary school students while they are still excited about learning and haven't reached the jaded teetage years.

There had and ences as young as six and as old as 10-12," continues the Tulane University Health Sciences Center Professor of Bischmistry, who plays a major role in the Bissensor Development team of LA EFSC-8K's current Research Infrastructure. Improvement Graug, Cyber Tools, frout the National Science Foundation EPSCOR programs.

Prior to her SoS presentations, porents are given a permission slip indicating that their children may or may not take their children may or may not take their slime home with them. "I am really impressed by Louisians parents; not a single one has refused. That wasn't true when I was in Transessee, some prurists were more timid and withheld their permission," adds Dr. Blake, who was on the faculty of Meherry Medical College in Nashville before joining Halme in 1999.



Dr. Diane Blake, Tulane University Health Sciences, Center Professor of Biochemistry and an SoS speakes.

Although very busy with her research, Dr. Blake anys she enjoys making SoS presentations so much that she makes time for them. This academic year she has given presentations at elementary schools in Belle Chase. Frankliston, Chalmette and LaPlace.

"One of my graduate students, Marcia Henry, volunteered to assist me with the presentations. She impresses the students that girls and African Americans can have a major science career.

"The numbers of scientists and engineers graduating from U.S. institutions has been declining for years, and the nation has had to turn to foreign scientists to fill the own she adds.

"There are a lot of reasons for this decline,

Touting Science

LA EPSCOR's Speaking of Science (SoS) program for K-16 provides students in every type of school exposure to the State's best researchers.

Its purpose is to increase public assureness of exciting Research and Development in Louisiana, spark the interest of students in science and regiscering (S&E) professions and showcese the excellence of Louisiana's leading S&E faculty and professionals.

SoS speakers are available free of charge to speak to students, educators, parents, and general audiences throughout Louiseans on a variety of topics.

Since 2001, 614 presentations to over 24,000 students have been made by-SoS speakers. For information on SoS speakers another topic smooth to make arrangement for a speaker, contract Ms. Suson Jamigan at 225,342,423, ext. 673, or sussis jernigue 50% gov.

The accompanying articles focus on SoS presenter Dr. Dinne Blake, Tulane University Health Sciences Center, and letters she received from a 4th grade class.

but I think a lack of interest in science and the limited numbers of scientists who can serve as role models have contributed to the problem.

'I am hoping that my contributions to the SoS program can play a small role in increasing the interest of Louisiana stu-

Letters, She Gets Lots & Lots of Letters

Excepts from 21 letters thanking Dr. Blake for her presentation to a fourth grade class at LaPlace's John L. Ory Elementary School:

"Making slime was not just flin it was educationally flin! When I got home I did a trick with it. thank you for letting us bring it home. I hope you can come back next year."

"It was nest when you talked about

atoms. You taught me a lot of science... The experiment was a success. The hypothesis was brilliant. You are the best scientist ever. My morn was freaked out by the sline."

"I still love my sline...Also, how is Tulane? Did you know I really like Tulane? How is the project of yours coming?...I hope to go to Tulane some "I loved playing with the slime. I think you are a great scientist. It was a great experiment...I enjoyed having flan with

"Think you for teaching us about atoms and matter. I was really interested... I scared my brother with the slime...Did food dye make the slime green?"

"It's a good thing you talked about atoms Letters, Continued page 2

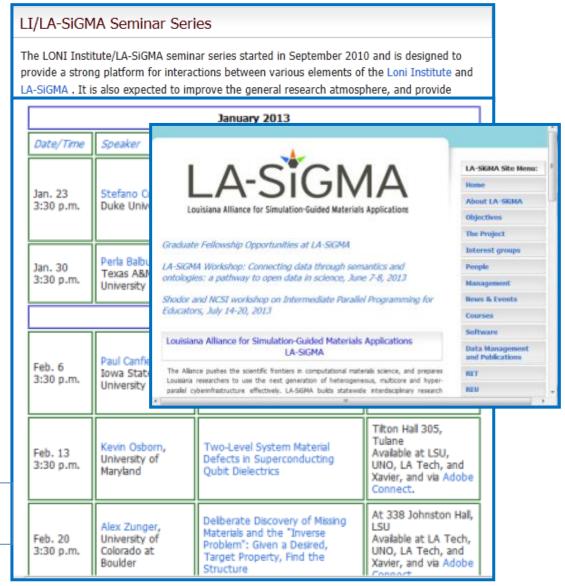
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Target: Internal Communications

Leverage cyberinfrastructure, video-conferencing, collaboration tools, web portal, all-hands meetings.



- Monthly seminars over Polycom available to other campuses.
- State-of-the-art HD synchronous video, lecture/seminar capture, and digitization equipment purchased in collaboration with LONI & BoR.
- Web portal operational http://lasigma.loni.org
 - ✓ More than 3,500 visits to main webpage since Dec. 2011.

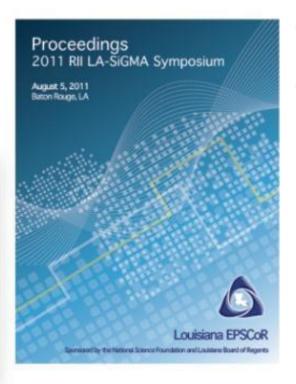


Target: Internal Communications

Leverage cyberinfrastructure, video-conferencing, collaboration tools, web portal, all-hands meetings.

- 2 meetings held this year, including EPSCoR RII LA-SiGMA symposium.
- LA-SiGMA Facebook page





- 111 contributed papers total
- 44 contributions in year 3

✓ Over 4,00 direct hits, more than 16,000 people saw associated content in the last year

Industrial Collaborations



- La Tech researchers continue to build their relationship with Ford and Jupiter Fuels
- Xavier working with Absorption Systems, Inc. of Philadelphia
- UNO working with Vertex Pharmaceuticals
- LSU working with Albemarle Corporation
- La Tech collaborates with Nanovation, LLC
- UNO working with Radiant Technologies, Ind.





Target: National and International Partnerships



- Indo-US Joint Center proposal
- NSF Materials World Network with German researches
- NSF-G8 Research Councils proposal awarded (LA-SiGMA, Japan, Germany)
- DAAD Student Exchange program with LA-SiGMA every summer.
- La Tech collaboration with IIT-Delhi, India
- MOU with Universidad Nacional Cordoba and Rio Cuarto, Argentina.



External Engagement Milestones



Strategies	Y1	Y2	Y3	Y4	Y5	
Leverage multiple avenues to engage the general public.	X	Х	X	Х	X	On Track
Create a web portal for distribution of project deliverables.	X	X	X	X	x	On Track
Create a repository and version control system for code development and distribution.	X	X	X	X	X	On Track
Leverage cyberinfrastructure to facilitate communication.	X	Х	X	X	X	On Track
Use Newsletter/Brochures/Highlights to publicize Alliance activities.	X	X	X	X	x	Ahead
Create formal mechanisms for engagement with NSF.	X	Х	X	X	X	On Track
Establish new national, industrial and international	X	X	Y	Х	Х	On Track
collaborations.	<u> </u>	X			^	On Track