



External Engagement

Randall Hall

Through the use of face-to-face meetings and CI tools such as synchronous HD video, our program will provide for efficient collection and dissemination of information between participants, the K-12 community, two-year colleges, and the general public.

LA-SiGMA Staff



We have hired 4 staff members (3 since January 2011) that have made a tremendous impact on our outreach activities



Bety Rodriguez-Milla
LA-SiGMA Scientific Manager
LSU



Shelley Lee
LA-SiGMA Operations Coordinator
LSU



Leigh Townsend
LA-SiGMA Outreach Coordinator
LSU



Melanie Watson
LA-SiGMA Outreach Coordinator
LA Tech

Target: General Public



Louisiana Public Broadcasting, public lectures, news media, EPSCoR newsletters.

- ✓ Interview on Public Radio with RET teachers.

- ✓ Print media stories about LA-SiGMA in North and South Louisiana.



- ✓ LA-SiGMA featured in EPSCoR newsletters.



Working with LPB to be featured on “Louisiana: The State We Are In.”

Target: General Public



Multiple events in Ruston, Shreveport, Baton Rouge, and New Orleans, and at South Arkansas Community College.



NanoTube at the **2011 NanoDays** hosted at the Louisiana Art & Science Museum, Baton Rouge.



Girls Learning About Math and Science (GLAMS) at South Arkansas Community College

Public lectures and hands-on activities at SciPort Discovery Center, Shreveport.



Target: Local Industry



Digital media & software development industry panel

INDUSTRY FORUMS

- ✓ Two industry-Academia forums held (Baton Rouge, Lafayette).
- ✓ First attempt in the jurisdiction to bring academia and industry groups together.
- ✓ OPT-IN grants sponsored by EPSCoR Office.

- LA-SiGMA members are conducting industry-sponsored research.
- Leveraging existing relationships to place students in industrial internships.

Target: Local Industry



INDUSTRY LIAISON TEAM

Industry Liaison Team formed – IP Directors from LA Tech, LSU, and Tulane, advised by Jeff Lynn of Louisiana FastStart, a workforce training program initiated by Louisiana Economic Development.

Louisiana FastStart™



WHO WE ARE

Recognized for its innovation, effectiveness, flexibility and efficiency, Louisiana FastStart is the nation's best state workforce training program according to *Business Facilities* magazine.

 Discover what companies are saying about Louisiana FastStart.

Target: Internal Communications



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

- ✓ Monthly seminars over Access Grid and IOCOMM network held all through Year 1.
- ✓ HD video conferencing equipment being purchased to take advantage of LONI bandwidth.
- ✓ Web portal operational <http://lasigma.loni.org>

LI/LA-SIGMA Seminar Series

The LONI Institute/LA-SIGMA seminar series started in September 2010 and is designed to provide a strong platform for interactions between various elements of the [Loni Institute](#) and [LA-SIGMA](#). It is also expected to improve the general research atmosphere, and provide

The screenshot shows the LA-SIGMA website. The main header features the LA-SIGMA logo and the text "Louisiana Alliance for Simulation-Guided Materials Applications". Below the header, there are several news items, including "LA-SIGMA researcher Professor John Perdew of Tulane University is elected to the National Academy of Sciences" and "LA-SIGMA RET on NSF's News". A sidebar on the right contains a "LA-SIGMA Site Menu" with links to Home, Objectives, The Project, People, Management, News & Events, Courses, RET, REU, Documents, Employment, and Staying Connected. At the bottom, there is a table of seminar events.

Live at LSU	Nielsen	matter"
March 29 2 p.m. Live at LATech	Jianliang Qian	"Fast algorithms for high frequency waves and applications in kinetic inverse problems"

Target: Internal Communications



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

- ✓ Two all-hands meetings held in Year 1, one with ERB and DAC participation.
- ✓ LA-SiGMA Facebook page.



Target: National and International Partnerships



- ✓ Indo-US joint proposal being developed.
- ✓ NSF-G8 Research Councils proposal being developed (LA-SiGMA, Japan, Germany).



Partnership with Pacific Northwest National Lab



- Environmental Molecular Sciences Laboratory (EMSL)
 - Home of NWChem!
- DOE INCITE request for 200,000,000 SUs over 3 years on Jaguar and Titan supercomputers (20+ PFLOPs, Kepler GPUs)
- Internship program for LA-SiGMA students
 - 3-6 month visits
 - Working with EMSL Open Source Code Developers
 - Opportunities for students, undergraduate to PhD
- Partners in Indo-US SCES Centre



EMSL Associate Lab Director Bill Shelton participating in an LA-SiGMA REU panel



Formal mechanisms for interaction with NSF



- ✓ Strategic Planning meeting attended by EPSCoR program director.
- ✓ Strategic Plan revised with NSF feedback and resubmitted.
- ✓ NSF invited to All-Hands meeting in August, 2011.
- ✓ Several highlights on LA-SiGMA activities submitted in Year 1.
- ✓ LA-SiGMA RET story featured on NSF website.

External Engagement Milestones



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

*On track, with the exception of the LPB appearance and the pending HD Polycomm purchase.

Mitigation plan: Working with LPB for feature, HD standards being finalized.