XSEDE16 Student Program Report to CASC

September 15, 2016

Linda Akli, SURA
Assistant Director, Training Education & Outreach and
XSEDE Broadening Participation Lead and
XSEDE16, Diversity Chair
## XSEDE16 Student Program

### GOALS
- Build Knowledge & Skills
- Create Awareness
- Expose Career Opportunities
- Inspire

### ACTIVITIES
- Mentor Program
- Tutorials
- Modeling Day
- Lightning Talks
- Papers, Posters & Visualizations
- Speed Networking
- Volunteer Program
Tutorial Day

Supercomputing in Plain English

Introduction to Python

XSEDE New User Training
Student Modeling Day
Student Papers, Posters, & Visualizations
# Student Awards

<table>
<thead>
<tr>
<th>Category</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best Graduate Student Poster</td>
<td>Efficient Seismic Modeling Using Poroelastic Approach</td>
<td>Khemraj Shukla, Jan S. Hesthaven, Priyank Jaiswal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best Undergraduate Student Poster</td>
<td>Analysis of Random Alloy Nanoparticles as Catalysts for Oxygen Reduction Reactions</td>
<td>Fatima Al-Quaiti, Juliana Duncan, Benjamin Corona, Christopher Lee, Esteban Treviño, Graeme Henkelman</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best Student Paper</td>
<td>Improving the Scalability of a Charge Detection Mass Spectrometry Workflow</td>
<td>Scott McClary, Robert Henschel, Abhinav Thota, Holger Brunst, Benjamin Draper</td>
</tr>
</tbody>
</table>
Speed Networking
Student Volunteers

Session Support

Event Support (Poster Session, Dinners, Speed Networking, and Awards)

Social Media Posts

Contributed Personal Stories
Outcomes

98 Students Participated in XSEDE16

- 68 w/Travel Awards & Participated as Volunteers
- 40 Participated in Modeling Day
- Post Conference Student Survey (w/51% Response Rate) 36% Female; 30% Hispanic; 30% Asian; 20% African American; 75% Graduate Students

Two Students attended NCSI White House Workshop

SC16 Opportunity

Students and Mentors