

# **Education and Public Outreach Subcommittee**

**Saptaparna Bhattacharya**  
**July 19th, 2019**

# Education and public outreach at the Users Meeting

- ▶ **Science communication training conducted by Andre Salles**
- ▶ **David Martinez was in charge**
- ▶ **Total number of attendees limited to 30**
- ▶ **Slots occupied within 30 min!**

09:00 - 10:15

**Session V: Science Communication**

Convener: David Martinez

Location: WH2SW, Curia II

09:00 **How to talk science to everyone 1h15'**

Speaker: Andre Salles (Fermilab Office of Communication)

# Education and public outreach at the Users Meeting



- ▶ Attendees in various stages of their career
- ▶ Early career scientists participated
- ▶ We sent out a google form to gauge interest in signing up for outreach activities

# Volunteer signup at the Users Meeting

QUESTIONS

RESPONSES

5

## Volunteer signup

Are you interested in outreach activities? Yes? Don't know how to get involved? Please sign up here!

Your name \*

Short answer text

What kind of outreach activities are you interested in? \*

Short answer text

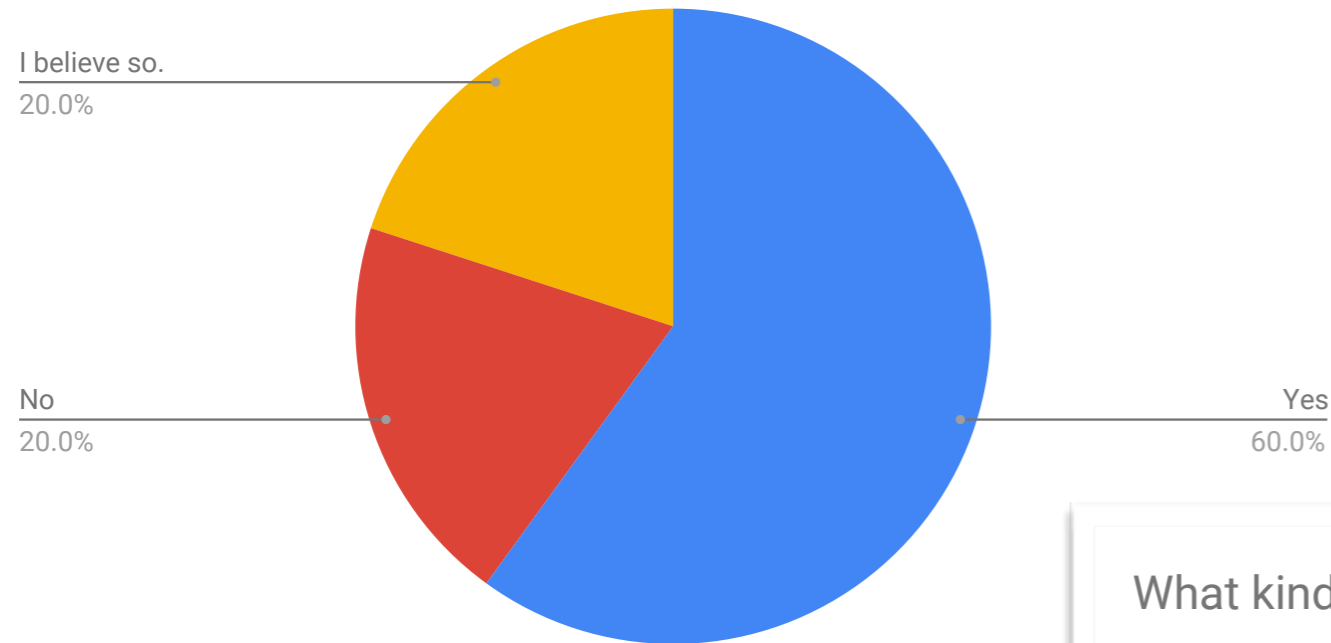
How long will you be at Fermilab? \*

Short answer text



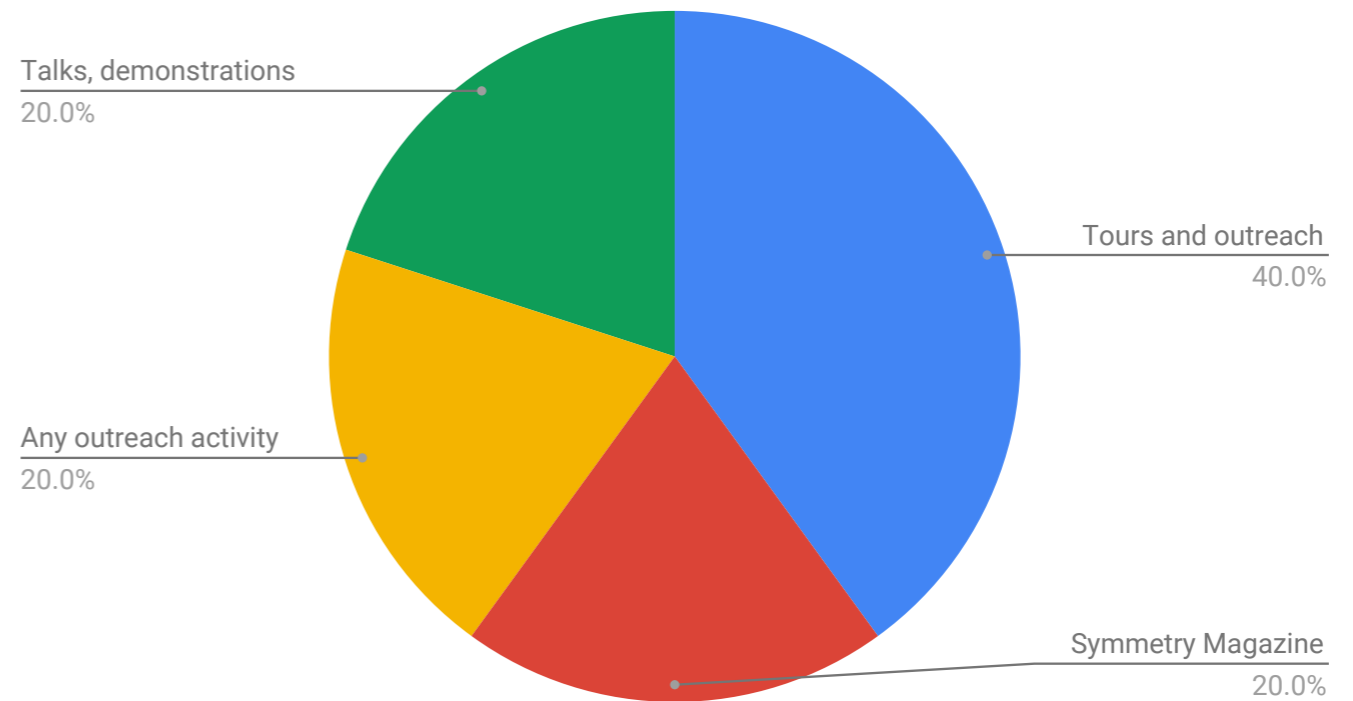
# Volunteer signup at the Users Meeting

If you have to undergo some form of training to conduct tours, would you be available to do so?



- **Willingness to undergo any kind of training**

What kind of outreach activities are you interested in?



- **Kinds of activities prospective volunteers are interested in contributing**

# Next steps...

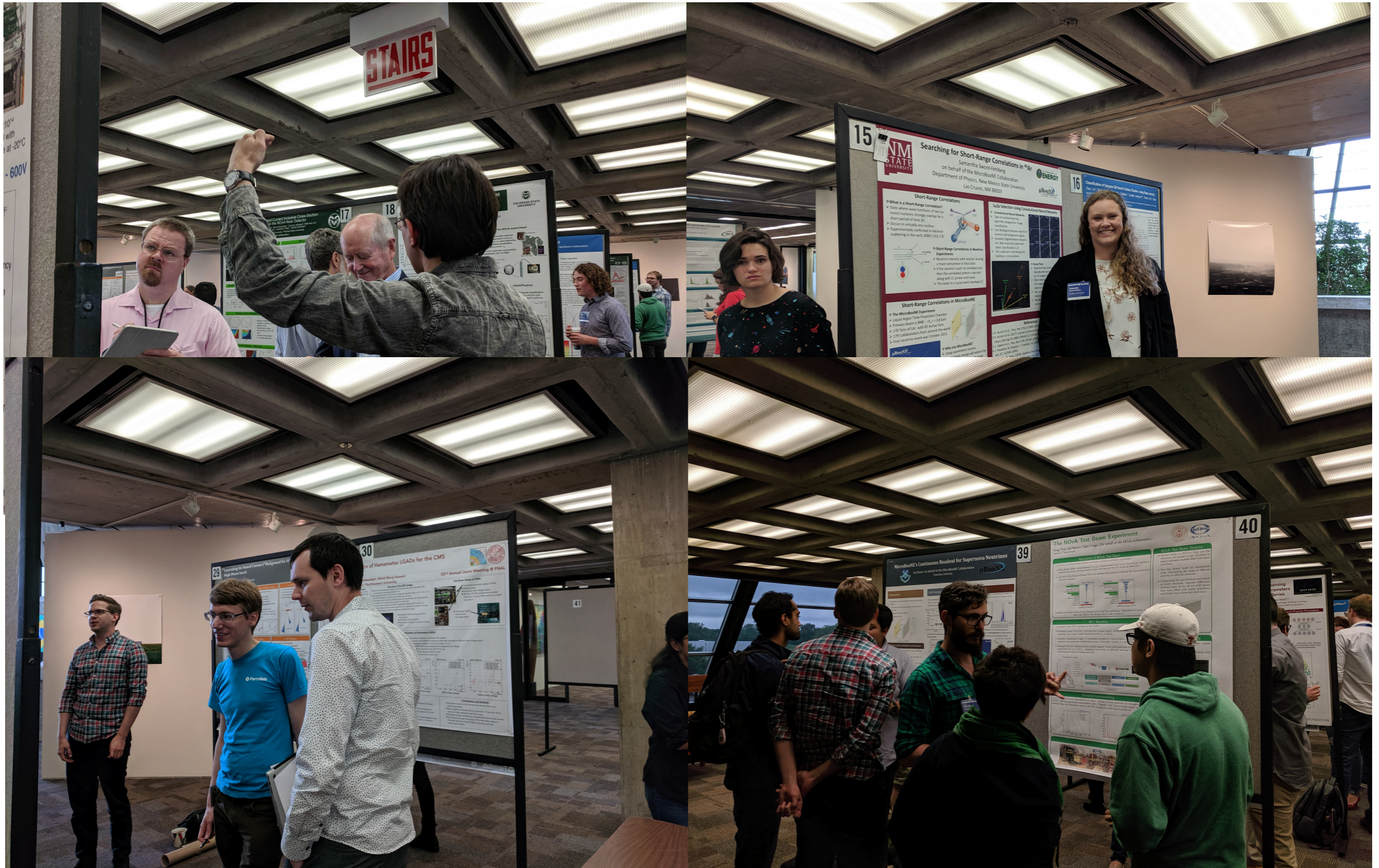
- ▶ **Contribute to the “Ask-a-scientist” effort (we have received emails in the past)**
- ▶ **Various ways to contribute (docents, speakers etc.)**

Topic & Link	Date	Presenter & Institution
<a href="#">The Fermilab Holometer: Is the Universe a Hologram?</a>	July 7, 2019	Ohkyung Kwon, University of Chicago
<a href="#">How to Build a Neutrino Beam</a>	June 2, 2019	Bob Zwaska, Fermilab
<a href="#">Hands-on Quantum Computing</a>	April 7, 2019	Daniel Bowring, Fermilab
<a href="#">Famous Women Astronomers and Physicists</a>	March 3, 2019	prepared by Mike Albrow, touched-up and presented by Peter H. Garbincius, both Fermilab
<a href="#">From Playstation to Supercomputer: Accelerating Physics with GPUs</a>	January 6, 2019	Wes Gohn, University of Kentucky
<a href="#">Neutrino Oscillations</a>	December 2, 2018	Peter H. Garbincius, Fermilab
Dark Matter - Why does it Matter? <a href="#">video</a> (open in a new frame) or here is URL: <a href="https://www.youtube.com/watch?v=o79szJBtQ5E&amp;feature=youtu.be">https://www.youtube.com/watch?v=o79szJBtQ5E&amp;feature=youtu.be</a>	October 7, 2018	Dan Bauer, Fermilab
<a href="#">A Theory of (almost) Everything - The Standard Model of Particle Physics</a>	September 9, 2018	Bogdan Dobrescu, Fermilab

- ▶ **How can we help with the replacement of the Foucault pendulum in the atrium: cloud chamber? It is feasible?**

# Poster Session at the Users Meeting

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# Poster session at the Users Meeting

- ▶ **Started planning process after abstract submission was closed**
- ▶ **Convinced conference committee to give us poster boards so no abstracts were rejected**
- ▶ **Initial deadline set to one week before Users Meeting**
- ▶ **All emails sent (including to the judges) can be found here:**
  - ▶ **<http://uaf-10.t2.ucsd.edu/~sapta/Emails.txt>**
- ▶ **Selected judges based on seniority and representation of experiments**
- ▶ **Avoid conflict of interest when possible (advisors do not judge the work of their students)**

## Poster session at the Users Meeting

- ▶ Reached out to several prospective judges and finally got confirmation from the following judges
- ▶ Grouped judges into groups of two, taking seniority into account
  - Kevin Pedro and Sarah Demers
  - Kate Gregory and Michael Baird
  - Bob Bernstein and Hannsjorg Weber
  - Chris Quigg and Gabe Perdue
  - Callum Wilkinson and Erica Snider

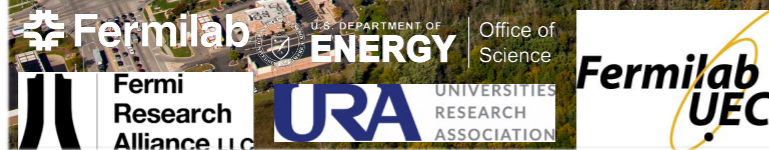
# Certificates

## 52<sup>nd</sup> Fermilab Users Meeting Poster Session

This certificate is presented to

For winning 1<sup>st</sup> prize in the  
52<sup>nd</sup> Users Meeting Poster Session

Fermilab Director



The certificates have to be signed by Nigel in advance

# Criteria for judges

Name of the Presenter

Name of the Poster

Name of the Judge

Judging criteria:

- Was the work original, e.g. done by presenter? (0,1,2)
- Was the work technically sound? (0,1,2)
- How well did the presenter explain the poster? (0,1,2)
- How did the poster look visually (including readability at a 5 foot distance)? (0,1,2)
- Is the poster about an interesting idea/analysis/detector/piece of hardware? (0,1,2)
- Was the poster self-explanatory? (0,1,2)

**This is based on Tammy's  
criteria from the Users  
Meeting in 2017**