



Closing the 53rd Annual Users (Virtual) Meeting

Cindy Joe
Chair of the Users Meeting
August 13, 2020



53rd Fermilab Users (Virtual) Meeting • August 10-13, 2020

Defining the Decade

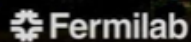
An inclusive gathering to highlight leading-edge science, celebrate Fermilab achievements and look to our future as a community

ALL community members (including non-Users) are welcome!

Please register as soon as possible at: <http://indico.fnal.gov/e/UAM20>



Cornet NEOWISE photo by Marty Murphy



Thank you!

We've had such a good time with you over the past few days!

What we hope to accomplish with this (virtual) UM

- Bringing the community **together** (including employees, far-flung users, young people, etc. and make them all feel welcome)
- **Educate** and train (Experiment talks, Introductory-level talks [NEW this year], science communication training session, scientific job panel, visa/immigration session, Black Lives Matter workshop, tours, keynote, sustainability discussion, community "People Matter" panel)
- Foster **collaboration** (Snowmass panel, networking)
- Allow **people** to present their work and advance themselves (networking, poster presentations, talks, awards)
- Celebrate **accomplishments** (talks, awards, reports from UEC, directorate, FSPA)
- Have a good time (**celebrations, Festa Italiana**, make it fun!)

Examples of community disconnect: UEC and Users, Users and the lab, Scientific and non-scientific staff, early career members and larger community/jobs/plans, Black colleagues and rest of community

Special thanks to (by no means exhaustive)

- Nigel Lockyer, Hema Ramamoorthi, Kate Gregory, Luciano Ristori, Greg Bock
- Joy Pomillo, Melody Saperston, admin team (Etta Johnson, Connie Hillgard, Anna Campbell, Monica Vallejo, Elizabeth Mendyk)
- Alan Stone
- Sandra Charles
- Griselda Lopez, Kevin Aiston, Valery Stanley, Becky Thompson, Eric Mieland, Kathrine Laureto, Wally Levernier, Deanne Randich, Ilene Winston, Georgia Karagiorgi, Monica Nunes, Gabe Perdue, Alex Radovic
- Gavin Davies, Leo Aliaga
- Alvin Tollestrup Memorial organization team (Vladimir Shiltsev, Elliott McCrory, Chris Quigg, Mark Palmer)
- Burt Holzman, Liz Sexton-Kennedy, Marco del Tutto
- Mike Childress, Josh Cassada, John Stephen
- **ALL our speakers, session chairs, poster presenters, and panelists**
- Valerie Higgins
- All division/deputy heads, spokespeople and others who advised & helped find speakers
- Neutrino 2020 organizers Sam Zeller & Steve Brice
- URA: Marta Cehelsky, Ted Wackler, Marty Rubenstein, Lourdes Garcia-Ruiz
- Lynn Johnson, Diana Brandonisio, Kurt Riesselmann, Justine Dunn, Leah Hesla, Deb Sebastian, Lauren Biron,
- Marty Murphy
- FSPA Officers: Maria Martinez-Casales, Richie Diurba, Abhliash Dombara Yallappa, Luke Pickering, Mike Wallbank, Samantha Sword-Fehlberg
- Marco Mambelli, Donatella Torretta



Your 2019-2020 Users Executive Committee



Your 2019-2020 Users Executive Committee



“...it has nothing to do directly with defending our country except to help make it worth defending.”

—Robert Wilson



Josh A. Cassada



Background

A Win is Not a Win

An army officer owned Dred Scott and his family. When the army officer moved to St. Louis (Free Territory), he brought his slaves with him. Because the Scotts had lived in free territory, they believed that legally made them free. In 1846, they filed for their freedom. Twelve white jurors in a St. Louis court ruled that because the Scotts' residence was in a free state, that made them free. The Missouri Supreme Court overturned the January 1850 lower court's ruling in 1852 and the Scotts again were enslaved.



Lawyers for Dred Scott continued to appeal the Missouri Supreme Court decision. The case was argued in the United States Supreme Court and finally, in 1857 a 7-2 decision was reached.



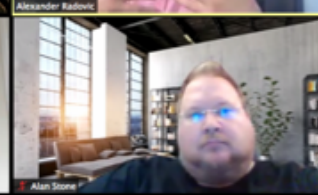
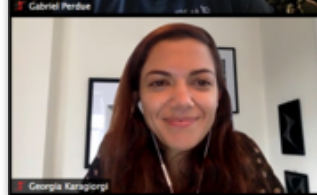
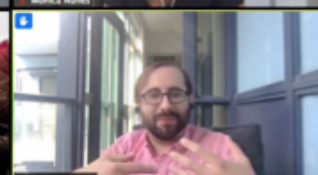
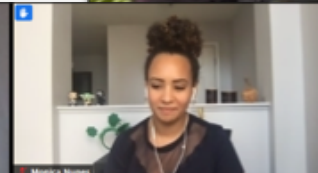
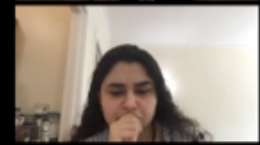
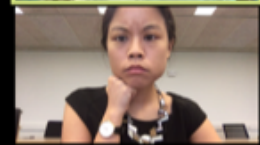
Writing for the majority, Chief Justice Roger Brooke Taney stated that, ***black men, regardless of their free or slave status, were not people. As such, they had no protections under the US Constitution and they had no right to even use the courts to sue for their freedom or anything else.***



This legal precedent set by the Taney court meant that ***black people, regardless if they were free or enslaved, had no protections under the law.*** Even with the passage of the 14th Amendment it would be another 100 years before precedent was set that defined who was a citizen of the United States.



The Taney decision was a contributing factor to both the onset of the American Civil War and ***the creation of the post-war Jim Crow Era.***





Alvin Tollestrup

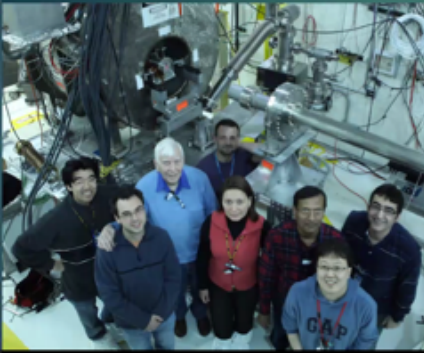
(1924 – 2020)

A Life in Science



Nigel Lockyer
Director

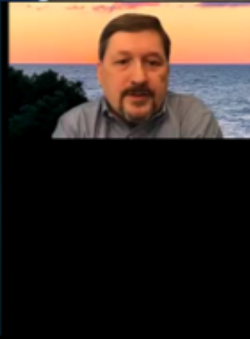
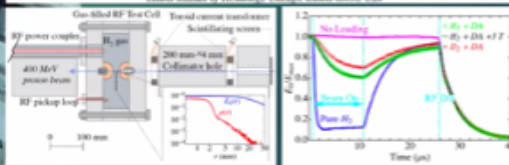
Developing Technology & the Teams to Drive Progress

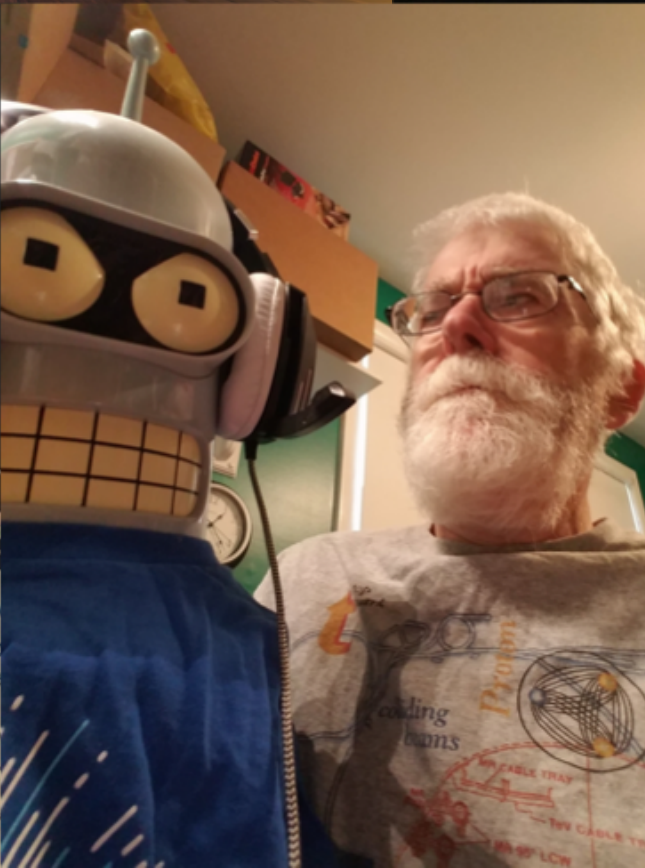
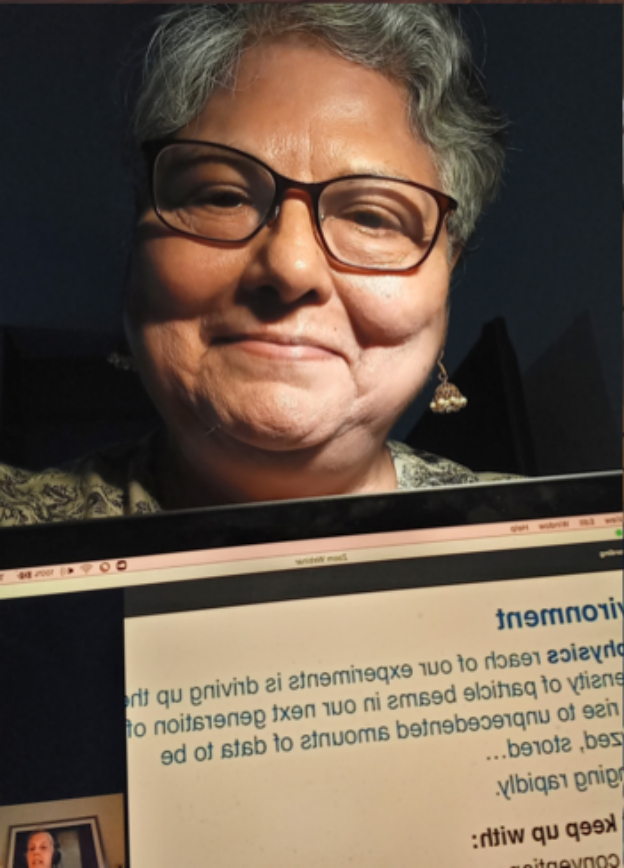


PRE. 111, 18402 (2013) PHYSICAL REVIEW LETTERS NOVEMBER 2013

Pressurized H₂ rf Cavities in Ionizing Beams and Magnetic Fields

M. Cheng,¹ M. G. Coffey,⁴ G. Flanagan,² B. Frenn,² P. M. Hader,³ M. R. Jara,¹ R. P. Johnson,² D. M. Kaplan,¹ M. Lomona,¹ A. Moretti,¹ M. Popovic,¹ T. Schwarz,¹ A. Tollestrup,¹ Y. Torun,² and K. Vinoski,¹
¹Fermi National Accelerator Laboratory, Batavia, Illinois 60510, USA
²Mass. Inst. Technol., Boston, Illinois 02139, USA
³Illinois Institute of Technology, Chicago, Illinois 60604, USA





Winners of the Users Meeting Poster Session

First Place: **Andrew Mogan (UTK)**

Second Place: **Emrah Tiras (ISU)**

Third Place: **Wanwei Wu (Fermilab)**

Award Certificates and prizes will be sent to you soon!

Special thanks to all our judges: **Mike Wallbank, Andy Furmanski, Zoya Vallari, Deepika Jena, and Abhilash Yallappa Dombara**

And to **Reddy Pratap Gandrajula and Richie Diurba** for the majority of the work in organizing the judging!

Thank you to our community

- You elected us to serve you, and it has been our pleasure to do so.
- A personal thanks from me, Users Meeting chair
- Thank you for your attention and passion over the past few days. We've been so happy about the attendance and feedback. 772 registrants!!
- “**Defining the Decade**” has been beautifully realized in all your talks, your presence, and your continued dedication to making our lab and our world a better place. Let's keep doing the work and striving toward a better future.

Final Reminders

- Festa Italiana tomorrow! Join us for an online pasta cooking class and social time! Link information will be emailed to all registrants. 3:30 PM onwards, 4-6 PM classtime.
- Send your pics to um2020pics@gmail.com : enjoying the meeting, or headshots for a collage of participants!
- Our UEC election will be soon, please consider joining us!

Take care of yourselves and each other.