



BLUE WHITE SCIENCE EXPO

SATURDAY, APRIL 22, 2017 | 11:00 A.M. - 2:30 P.M.

The HUB | Heritage Hall & Freeman Auditorium

Tickets & Info: research.psu.edu/expo

Calling all Research Fans: You're Invited!

Join Penn State's research community and show your support for science at the Blue-White Science Expo!

Researchers from a broad array of disciplines will give lightning talks - a fun and informal format in which each presenter speaks for no more than a few minutes on their topic - highlighting just some of their exciting recent discoveries.

Tickets

Tickets are free! Visit research.psu.edu/expo to register and get directions, links to the event on Social Media, parking advice and more information on our speakers!

All ages are welcome, but the talks and presentations may be most interesting to those in middle school and older.



LIGHTNING TALKS

ADVANCING THE ARTS & HUMANITIES

- "Is This a Fake? Scientific Approaches to Questions of Authenticity in the 21st Century" - **Anthony Cutler**
- "Benjamin Franklin, Science, and Civic Life" - **Carla Mulford**
- "Concert Hall Acoustics Design - Combination of Architecture, Psychology, & Engineering" - **Michelle Vigeant**

STEWARDSHIP OUR PLANET'S RESOURCES

- "The Good News on Energy and Climate" - **Richard Alley**
- "The dogmas of the quiet past: Penn State and global food security" - **David Hughes**
- "A microbe eat microbe world helps to maintain a sustainable food supply" - **Carolee Bull**
- "How corals may survive climate change" - **Iliana Baums**

ENHANCING HEALTH

- "Enhancing health through origami-inspired deployable medical devices" - **Mary Frecker**
- "Dissolvable Tattoo Electronics for Biomedicine" - **Huanyu Cheng**
- "Title TBA" - **Jennifer Van Hook**

DRIVING DIGITAL INNOVATION

- "I am One With the Screen - The Screen is With Me: Living in Digital Media" - **Nilam Ram**
- "The Robots are Coming! Self-Driving Cars Are Here!" - **John Sustersic**
- "How common are Earth-size planets?" - **Eric Ford**

TRANSFORMING EDUCATION

- "Spaghetti of Storms 2005 - an animation and sonification of storms worldwide throughout the year" - **Mark Ballora**
- "Science achievement gaps begin very early, persist, and are mostly explained by modifiable factors" - **Paul Morgan**
- "Cool maps: Understanding the when, where, how and why" - **Justine Blanford**