



WOMEN IN DATA SCIENCE LIVERMORE



#WiDS2020

@Livermore_Comp @Livermore_Lab

Breakfast & Registration



Welcome & Opening Remarks

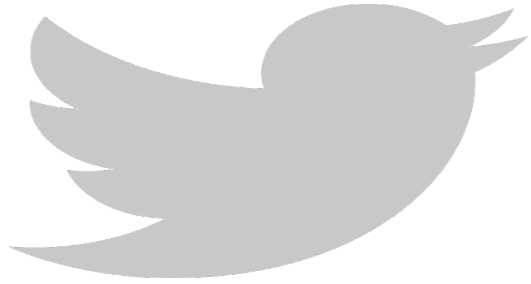




Welcome to 3rd WiDS Livermore

- Global: 100,000 people, 200 regional events, 60 countries
- Stanford livestream schedule
 - <https://www.widsconference.org/schedule-2020.html>
- Venue reminder
 - Personal/non-LLNL cameras and recording devices may not be used.
 - LLNL device photos must go through IM before use.
 - Restrooms in hallway between Yosemite/Collaboration area.
 - Don't park in front of Uncle Credit Union.
- LLNL social media





#WiDS2020

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WiDS Livermore Survey

We would like to hear what you found most valuable this year and how we can improve future events.

Please take a few moments to complete this survey.

<https://www.surveymonkey.com/r/1lnlwids2020>



Morning Agenda

8:00 Breakfast & Registration

8:50 Welcome: Marisa Torres

9:00 Livestream WiDS Welcome

9:15 Opening Address: Marisol Gamboa – Data Science on a Mission

9:30 Livestream Keynote Address: Machine Learning: A New Approach to Drug Discovery

10:00 Livestream Ethics Panel

10:40 Break





Data Science on a Mission



Marisol Gamboa

Data Science Summer Institute Program Co-Director, LLNL



Morning Agenda

11:00 Alyson Fox - Collaborative Autonomy Work in E-Program

11:20 Livestream: Don't look. See! Are We Blinded by Data (Visualization)?

11:40 Livestream WiDS Announcement

11:45 Livestream WiDS Datathon Winners Announced

11:50 Katie Schmidt - Sensitivity Analysis: Quantifying What Matters

12:10 Kelli Humbird - Machine Learning-Guided Discovery and Design for Inertial Confinement Fusion

12:30 Lunch & Speed Mentoring (led by Stephanie Brink)





Collaborative Autonomy Work in Unreliable Computing Environments



Alyson Fox
Computational Mathematician, LLNL



Sensitivity Analysis: Quantifying What Matters



Katie Schmidt
Applied Statistician, LLNL





Machine Learning-Guided Discovery and Design for Inertial Confinement Fusion



Kelli Humbird
Design Physicist, LLNL





12:30 Speed Mentoring

Yosemite Room

- Mentors pickup lunch first
- Get spaced around the room
- Need more mentors



Afternoon Agenda

- 2:00 Livestream Afternoon Keynote: Why a World with AI Needs More EQ
- 2:30 Giuliana Pallotta - Multi-frequency Analysis of Modeled-Versus-Observed Variability in Tropospheric Temperature
- 2:50 Livestream: Building Water Security from the Bottom Up by Leveraging Big Data
- 3:10 *Break*





Multi-frequency Analysis of Modeled- Versus-Observed Variability in Tropospheric Temperature



Giuliana Pallotta
Statistician, LLNL





Afternoon Agenda

3:30 Career Panel: Masha Aseeva (moderator), Cindy Gonzales, Brynn Claypoole (10x Genomics), Amanda Muyskens

4:10 Livestream: How Data Science Can Unlock Teaching & Learning at Scale

4:30 Livestream: Interpretability - Now What?

4:50 Closing Remarks – Marisa Torres

5:00 Networking Reception





Career Panel

Masha Aseva (Moderator)
Bioinformatics Software Engineer, LLNL



Cindy Gonzales
Data Scientist, LLNL



Brynn Claypoole
Software Engineer, 10x Genomics



Amanda Muyskens
Statistician, LLNL



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Thank You

- Organizers: Holly Auten, Jen Bellig, Emily Brannan, Stephanie Brink, Christine Klymko, Jina Lee, Anna McGarrigle, Tapasya Patki, (and several more)
- Speed mentor volunteers
- WiDS Livermore ambassadors: Marisa Torres and Masha Aseeva
- Sponsors: LLNL Office of Strategic Diversity and Inclusion Programs and Data Science Institute

