

Welcome to the 2021 MTV Virtual Workshop!

Zoom Etiquette and Meeting Features

1. **Mute** your microphones unless otherwise directed
2. Submit your questions for the speakers using the **Chat** or **Raise hands** features
3. **Closed Captions** are available
4. **Agenda** is interactive at MTV.engin.umich.edu
 1. Presentation PDFs
 2. Recorded presentations
 3. Bios and Abstracts



MTV Workshop

March 29 – 31, 2021

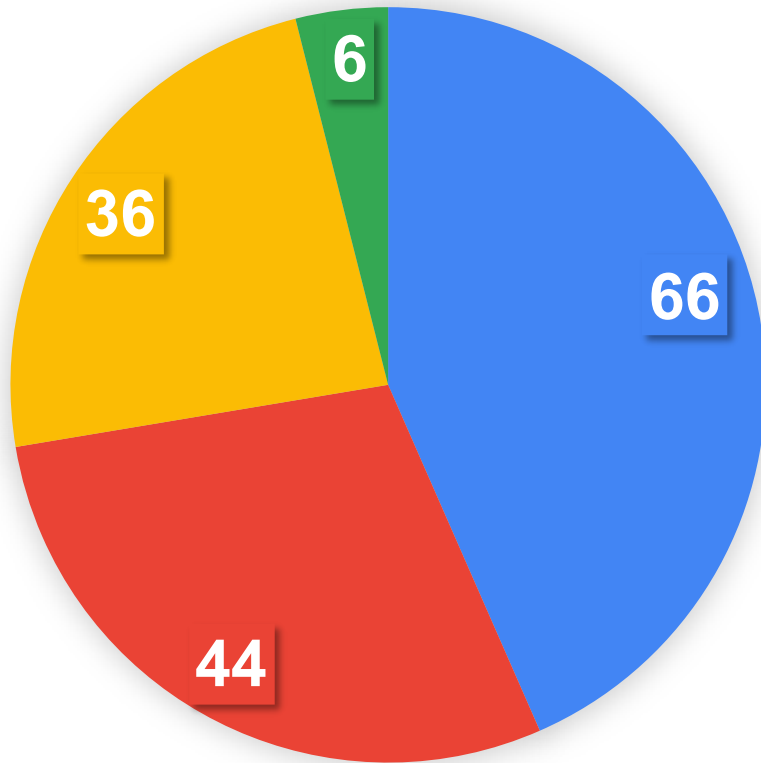
- **54 total presentations**
 - 24 Talks (18 mins: 15 + 3)
 - 30 Posters
- **3 Poster sessions (1 each day)**
 - 1-min overview of poster overview
 - 30-min zoom engagement with presenters
- **3 National Lab Engagement Roundtables (1 each day)**
 - 30-minute roundtables
 - National Lab videos will be posted online
- **1 Alumni Panel**



MTV.engin.umich.edu



152 Workshop Registrants



- Students and Postdocs (66)
- Gov't & Nat'l Labs (44)
- Faculty & Res Scientists (36)
- Professional & Other (6)



MTV Website

MTV.engin.umich.edu



Interactive Agenda

- EVENTS »
- [2021 MTV Virtual Workshop, Agenda at a glance](#)
- [2020 MTV NESS Lectures »](#)
- [MTV Monthly Teleconference »](#)
- [MTV Student Virtual Research Symposium »](#)
- [MCNP/MCNPX-PoliMi Workshop, 2020 »](#)
- [MTV Workshop, 2020 »](#)
- [MTV Kickoff »](#)

CONTACT



Prof. Sara A. Pozzi
MTV Director

2021 MTV Virtual Workshop, Agenda at a glance

The MTV Workshop begins on Monday, March 29, 2021, and will conclude on Wednesday, March 31, 2021.

- Day 1: March 29, 1:00 – 4:50 pm (ET)
- Day 2: March 30, 12:30 – 5:00 pm (ET)
- Day 3: March 31, 1:00 – 4:50 pm (ET)

[Register here](#)

ORAL PRESENTATIONS

March 29, 2021, Day 1			
1:00	Welcome and Workshop Overview	Sara Pozzi & Shaun Clarke, University of Michigan	
1:10	Overview of the DNN R&D University Program	Keith McManus, NNSA-DOE	
1:28	Consortium for Monitoring Technology, and Verification	Sara Pozzi, University of Michigan	

UPCOMING EVENTS

MTV Teleconference Schedule

MTV Teleconference, 01/11/21, 1 – 2:30 (ET)

MTV Teleconference, 02/08/21, 1:00 – 2:30 (ET)

MTV Teleconference, 03/15/21, 1:00 – 2:30 (ET)

MTV Teleconference, 04/12/21, 1:00 – 2:30 (ET)

MTV Teleconference, 05/10/21, 1:00 – 2:30 (ET)

MTV Workshop March 29th – 31st, 2021

University Program Review meeting
June 8th – 10th, 2021

PAST EVENTS

MTV Nuclear Engineering Summer School

MTV Student Virtual Research Symposium
June 9th, 11th, and 15th, 2020

Presenter Detail

- Dates & times
- Abstract
- Bios
- Videos
- Slides

Monday, March 29

Poster 9

Biosensors for Detecting Nuclear Fuel Cycle Activities in the Environment

[View poster](#)



Isis Fukai
Student
University of Tennessee, Knoxville



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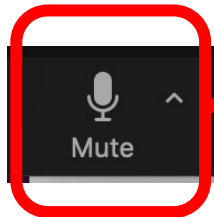


The Virtual Experience

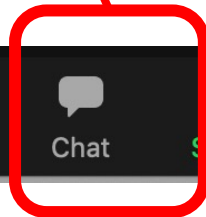


Mute Microphones

- Unless otherwise instructed

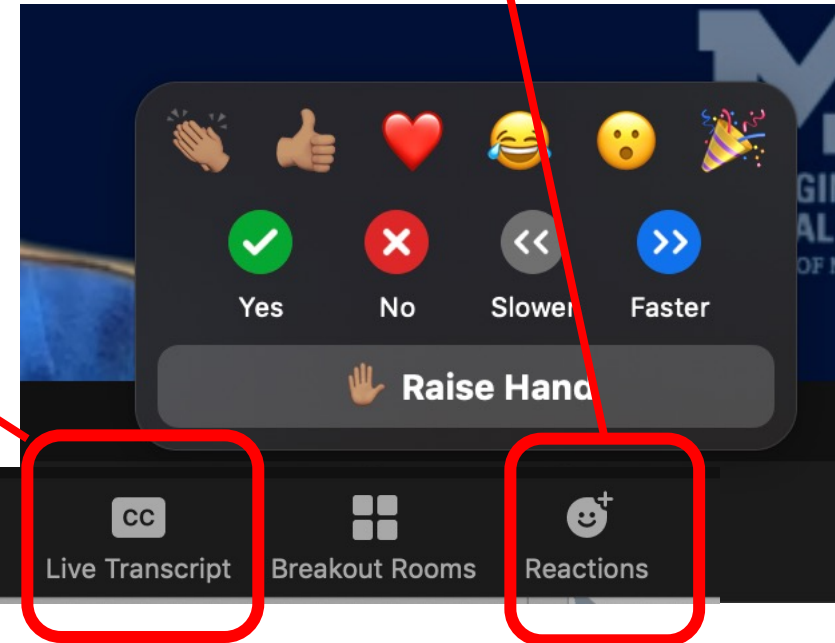


Use Chat for questions or comments



Turn on Closed Captions

- Available throughout the meeting



Raise Hands

- Under Reactions

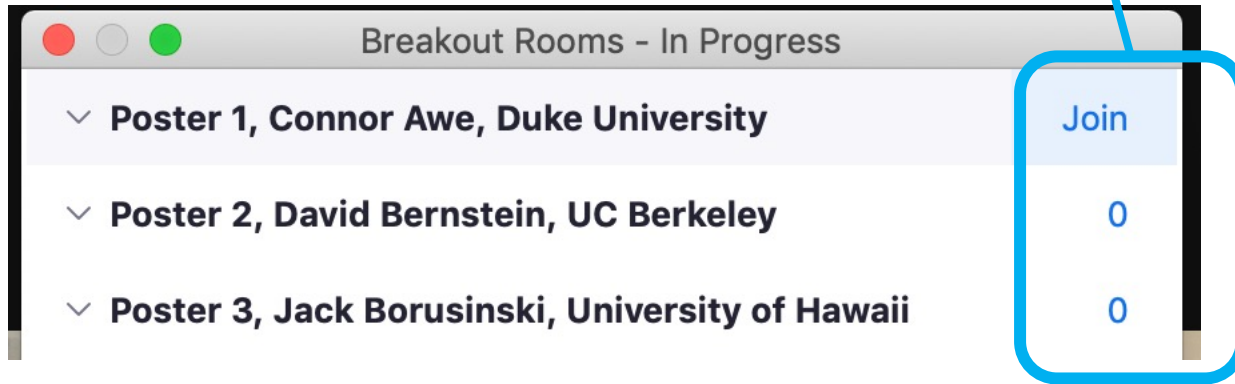




Accessing Breakout Rooms

Step 2 - Choosing a room

- Hover your mouse over a number
- Select 'join' when indicated

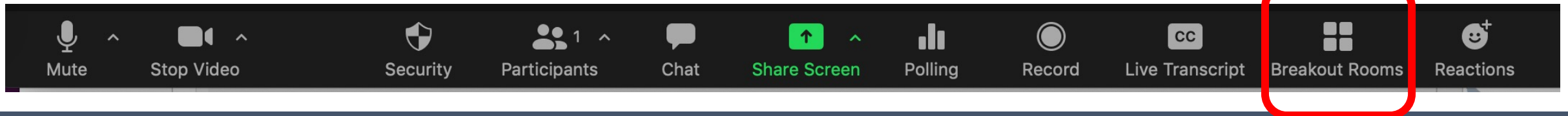


BREAKOUT ROOM EVENTS

A. Poster Sessions

B. National Lab Engagement Roundtables

Step 1 - Breakout rooms



National Laboratory Roundtables

Each lab will have an assigned **breakout room** labeled with their lab name and contact person. Participants can move freely between breakout rooms during each day's roundtable session.

March 29th, 2:22 pm (ET)

- Brookhaven National Laboratory
- Los Alamos National Laboratory
- Pacific Northwest National Laboratory
- Princeton Plasma Physics Laboratory
- Y-12 National Security Complex

March 30th, 4:29 pm ET

- Argonne National Laboratory
- Lawrence Berkeley National Laboratory
- Oak Ridge National Laboratory
- Sandia National Laboratories

March 31st, 3:02 pm ET

- Idaho National Laboratory
- Lawrence Livermore National Laboratory
- Nevada National Security Site
- Savannah River National Laboratory



Alumni Panel

March 30th, 12:25



Kyle Hartig
University of Florida



Alexis Trahan
LANL



Charles Sosa
RMD



Meghan McGarry
LLNL



Upcoming MTV Activities

MCNP/MCNPX-PoliMi Workshop



DATES
May 10 - 13, 2021
1:00 – 5:00 pm (daily)

LOCATION
This workshop will be offered completely online by instructors from the University of Michigan.

INSTRUCTORS
Prof. Brian Kiedrowski
Associate Professor
University of Michigan

Dr. Shaun D. Clarke
Associate Research Scientist
University of Michigan

REGISTRATION FEES
Standard (non-student): \$150
Students: \$75

REGISTRATION DEADLINE
April 10, 2021



The MCNP Consortium

UK-US Academic Network in Nuclear Security and Nonproliferation Skills
Virtual Workshop, April 27 - 28, 2021

Nuclear Security Science Network, Science and Technology Facilities Council, and NNSA Consortium for Monitoring, Technology and Verification, Consortium for Enabling Technologies and Innovation, and Nuclear Science and Security Consortium are pleased to announce the first joint workshop in Nuclear Security and Nonproliferation Skills. The joint program supports mobility and training program to connect UK and US researchers working in the areas of nuclear skills, nuclear security and nuclear energy.

Register by April 20, 2021

<https://tinyurl.com/2wv5bnfp>

KEYNOTE SPEAKERS

Rebecca Abergel, UC Berkeley	Milton Garces, University of Hawaii	Matthew Malek, University of Sheffield
Lee Bernstein, UC Berkeley / LBNL	Robin Grimes, Imperial College London	Stephen McLaughlin, Heriot Watt University
Andrew Boston, University of Liverpool	Zhong He, University of Michigan	Chuck Melcher, Univ. Tennessee
Raymond Cao, Ohio State University	Peter Hoseman, UC Berkeley	Sara Pozzi, University of Michigan
Sunil Chirayath, Texas A&M University	Patrick Huber, Virginia Tech.	Paul Sellin, University of Surrey
Shaun Clarke, University of Michigan	Igor Jovanovic, University of Michigan	Dan Thoma, University of Wisconsin
Anna Erickson, Georgia Tech.	Ralf Kaiser, University of Glasgow	Kai Vetter, UC Berkeley, LBNL
John Fisher, Massachusetts Inst. of Technology	Bernard Kippelen, Georgia Tech.	Jasmina Vujic, UC Berkeley

TOPIC AREAS

Science for Nonproliferation Machine Learning
Radiation Detection of Nonproliferation Signature



- UK-US Academic Network in Nuclear Security and Nonproliferation Skills Workshop
April 27 – 28, 2021 (Tu – W)
- MCNP/MCNPX-PoliMi Workshop
May 10 – 13, 2021 (M – Th)
- University Program Review meeting
September 8th – 10th
- MTV Nuclear Engineering Summer School
Summer 2021



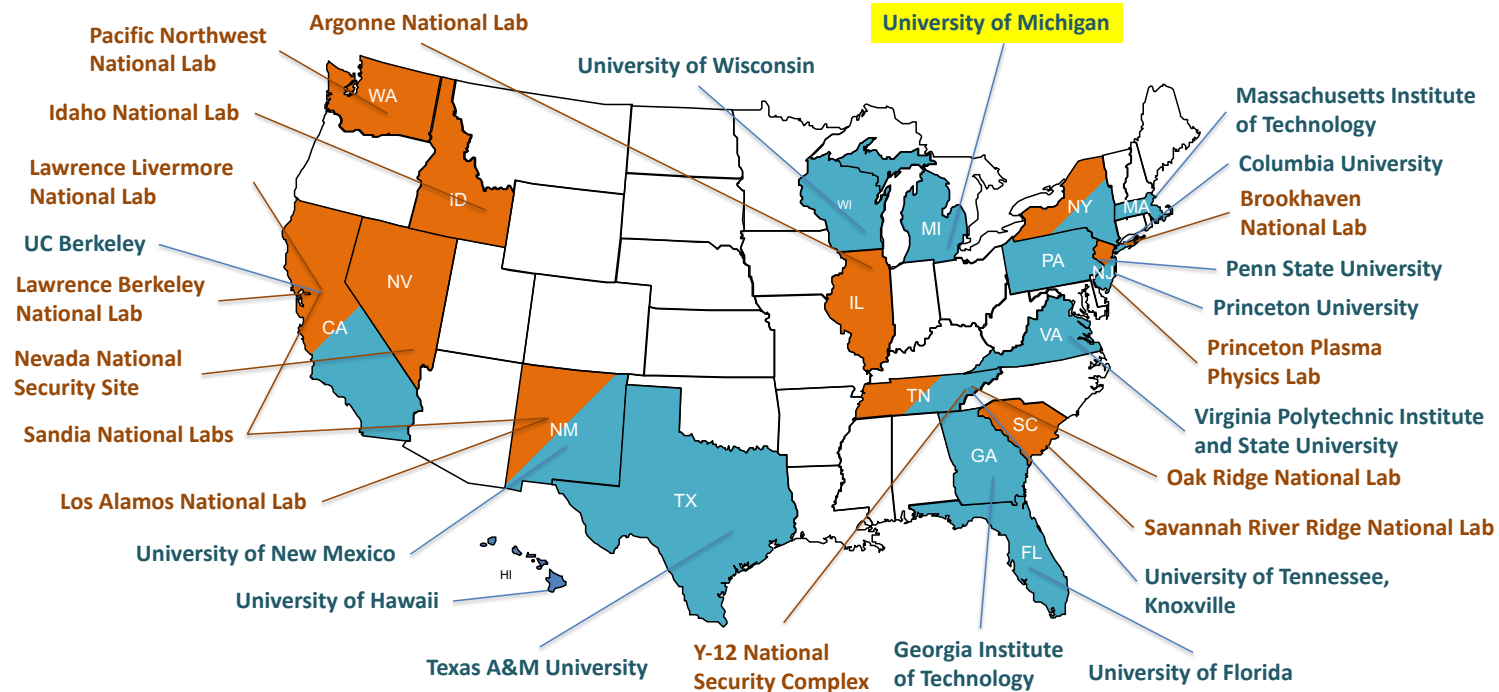
NNSA
National Nuclear Security Administration

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Acknowledgements

The Consortium for Monitoring, Technology, and Verification would like to thank the NNSA and DOE for the continued support of these research activities.



This work was funded by the Consortium for Monitoring, Technology, and Verification under Department of Energy National Nuclear Security Administration award number DE-NA0003920

