

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

Division on Engineering and Physical Sciences  
Committee on NIST Technical Programs

**Panel on Review of the Material Measurement Laboratory (MML) at the  
National Institute of Standards and Technology (NIST)  
September 8-11, 2020**

**VIRTUAL MEETING AGENDA  
Chemical Sciences Division - 646**

**Wednesday, September 9, 2020**

**DATA GATHERING SESSION (OPEN TO THE PUBLIC)**

*(See Directory)*

- 11:00 a.m. EDT Welcome and Charge to the Panel, **Walter G. Copan**, NIST Director
- 11:15 a.m. EDT Overview of the Material Measurement Laboratory, **Eric Lin**, Director, Material Measurement Laboratory

**DATA GATHERING SESSION (OPEN TO THE PUBLIC)**

*(See Directory)*

- 3:00 p.m. EDT Welcome and Chemical Sciences Division Overview, **Carlos Gonzalez**, Chief
- 4:00 p.m. EDT *Break*
- 4:05 p.m. EDT Measurement Science Overview, **Pam Chu**
- 4:25 p.m. EDT Measurement Services Overview, **Michael Winchester**
- 4:45 p.m. EDT Data and Informatics, **Vince Shen**
- 5:05 p.m. EDT *Break*
- 5:10 p.m. EDT Gas SRM/RGM Program (video/lab tour), **Christina Cecelski**
- 5:25 p.m. EDT Gas NTRM Program (w/video), **William Kimes**
- 5:40 p.m. EDT Omics Program (Website tour and NMR tour), **Tracey Schock; Paulina Piotrowski**
- 6:00 p.m. EDT Adjourn

**Thursday, September 10, 2020**

### **DATA GATHERING SESSION (OPEN TO THE PUBLIC)**

*(See Directory)*

10:00 a.m. EDT	Avogadro Project (w/video), <b>Sabelas Rabb</b>
10:15 a.m. EDT	Food Nutrition/Safety (w/video), <b>Melissa Phillips</b>
10:30 a.m. EDT	Cannabis Metrology (w/video), <b>Walter Brent Wilson</b>
10:45 a.m. EDT	Isotopes Spectroscopy Measurements and Remote Sensing, <b>Adam Fleisher</b>
11:05 a.m. EDT	<i>Break</i>
11:10 a.m. EDT	Molecular Simulations and Computations, <b>Harold Hatch</b>
11:25 a.m. EDT	Machine Learning Development and Molecular Simulations, <b>Nathan Mahynski</b>
11:40 a.m. EDT	NIST Biorepository/Cryogenic RM Production (w/video), <b>Jennifer Ness;</b> <b>Amanda Moors</b>
11:55 a.m.	Applied Machine Learning, <b>David Sheen</b>

### **DATA GATHERING SESSION - PANEL, NRC STAFF, NIST STAFF (OPEN TO THE PUBLIC)**

*(See Directory)*

12:00 p.m. EDT	<i>Lunch</i>
1:00 p.m. EDT	Informal Discussion Sessions: Panel Member – NIST Staff Three concurrent sessions: <ul style="list-style-type: none"><li>• Early Career</li><li>• Mid-Career</li><li>• Late-Career</li></ul>

### **DATA GATHERING SESSION (OPEN TO THE PUBLIC)**

*(See Directory)*

2:00 p.m. EDT	PPE Outgassing Measurements (COVID-19 Response), <b>Cassie Goodman</b>
2:15 p.m. EDT	Filtration Efficiency of Cloth Masks (COVID-19 Response), <b>Chris Zangmeister</b>
2:30 p.m. EDT	Hand Sanitizers Measurements (COVID-19 Response), <b>Mary Bedner</b>
2:45 p.m. EDT	Single-particle ICP-MS Measurements (w/video), <b>Karen Murphy</b>
3:00 p.m. EDT	<i>Break</i>
3:05 p.m. EDT	Emergent Contaminants 1: PFAS Measurements (w/video), <b>Benjamin Place</b>
3:20 p.m. EDT	Emergent Contaminants 2: Plastic Pollution (w/video), <b>Jennifer Lynch;</b> <b>Katherine Shaw</b>

3:35 p.m. EDT Industrial Commodity SRMs (w/video), **John Sieber**

3:50 p.m. EDT Thin Film Deposition, **Berc Kalayan**

4:00 p.m. EDT Division Sub-Panels Adjourn

## **Friday, September 11, 2020**

### **DATA GATHERING SESSION (OPEN TO THE PUBLIC)**

*(See Directory)*

1:00 p.m. EDT Full Panel meets with MML Management

2:00 p.m. EDT Adjourn open session

### **DATA GATHERING SESSION (OPEN TO THE PUBLIC)**

*(See Directory)*

4:00 p.m. EDT Panel Chair meets with MML Director and NIST Associate Director for Laboratory Programs