

Digital NIST Workshop Agenda

Day 1, Wednesday September 28, 2022

10:30 AM – 3:40 PM EDT

(9:30 AM – 2:40 PM CDT; 8:30 AM – 1:40 PM MDT; 7:30 AM – 12:40 PM PDT; 14:30 to 19:40 UTC)

Start time	Duration	Title	Speaker	Organization
Introductions				
10:30 AM	5 min	Call to order	Jim Fedchak and Kate Rimmer	NIST
10:35 AM	10 min	Welcome	NIST Leadership	NIST
Digital in the World				
10:45 AM	15 min	CIPM View of the Digital SI	Alan Steele	NRC
11:00 AM	10 min	Digitalization and Legal Metrology: Implications for Manufacturers and State Agencies	Katya Delak	NIST
11:10 AM	15 min	Digital Transformation in the SIM Region. First Steps, Achievements, and Challenges for the Future	Diego Coppa	INTI
11:25 AM	15 min	The Digital Calibration Certificate (DCC)	Siegfried Hackel	PTB
11:40 AM	15 min	Units Representations in digital certificates	Stuart Chalk	U. North Florida
11:55 AM	10 min	Q&A		
12:05 PM	25 min	Break		
Perspectives on Digital Transformation				
12:30 PM	10 min	The Science Case for Going Digital: The Electron Microscopy Example	June Lau	NIST
12:40 PM	10 min	Downstream Requirements From the Digital SI	Jeffrey Gust	Fluke
12:50 PM	10 min	Navy Perspective on Metrology and Calibration Data Collection, Analytics, and Utilization	Robert Fritzsche	U.S. Navy
1:00 PM	10 min	Q&A		

Titles subject to change

Start time	Duration	Title	Speaker	Organization
Applications for End-Users				
1:10 PM	10 min	How the DCC enables other digital services for the Pharmaceutical Industry	Antonio Matamala	Beamex
1:20 PM	10 min	Creating the Future of Analytical Testing with Digital Reference Materials	Coralie Leonard	Millipore Sigma
1:30 PM	10 min	Q&A		
1:40 PM	10 min	Break		
The Digital NIST Pilot Project				
1:50 PM	10 min	An Overview of the Digital NIST Pilot Project and Modernization of NIST's Measurement Services	Bob Hanisch	NIST
2:00 PM	20 min	Intro to Calibration project at NIST	Jim Fedchak	NIST
2:20 PM	20 min	Intro to reference materials project at NIST	Dinis Camara	NIST
2:40 PM	30 min	Digital Calibration Report and Digital Reference Material Certificate Demo	Benjamin Long	NIST
3:10 PM	25 min	Q&A		
3:35 PM	5 min	Wrap up, Discussion of Break-out Sessions and Program for Day 2	Jim Fedchak and Kate Rimmer	NIST

Titles subject to change

Day 2, Thursday September 29, 2022

10:30 AM – 2:30 PM EDT

(9:30 AM – 1:30 PM CDT; 8:30 AM – 12:30 PM MDT; 7:30 AM – 11:30 AM PDT; 14:30 to 18:30 UTC)

Start Time (EDT)	Duration	Discussion Sessions			
10:30 AM	5 min	Day 2 Intro	Day 2 Intro	Day 2 Intro	Day 2 Intro
Session 1					
10:35 AM	90 min	Calibrations - Digital Reports - Middleware Breakout 1	Calibrations - Digital Reports - Middleware Breakout 2	RMs - Digital Certs - Use of the Digital Info - Middleware Breakout 3	RMs - Digital Certs - Use of the Digital Info - Middleware Breakout 4
12:05 PM	15 min	Break (Stay In Room)			
Session 2					
12:20 PM	30 min	Digital Traceability and Security & Legal Metrology Breakout 1	Digital Traceability and Security & Legal Metrology Breakout 2	Digital Traceability and Security & Legal Metrology Breakout 3	Digital Traceability and Security & Legal Metrology Breakout 4
12:50 PM	15 min	Break (Stay In Room)			
Session 3					
1:05 PM	30 min	Harmonization of International Standards, Interoperability of Units Breakout 1	Harmonization of International Standards, Interoperability of Units Breakout 2	Harmonization of International Standards, Interoperability of Units Breakout 3	Harmonization of International Standards, Interoperability of Units Breakout 4
1:35 PM	15 min	Break (Switch Rooms)			

Titles subject to change

Session 4					
1:50 PM	30 min	Digital Government: Federal, Department of Defense, US National Labs	Digital Reference Material Documentation: User & Producer	Digital Industry: Secondary Cal Labs, Software Developers, Private Industry, and Manufacturers	Digital International Metrology: NMIs, Legal Metrology Organizations, and International Partners
		Breakout 1	Breakout 2	Breakout 3	Breakout 4
2:20 PM	10 min	Wrap Up and Thanks	Wrap Up and Thanks	Wrap Up and Thanks	Wrap Up and Thanks