

# 2024 SURVEY TECHNICAL WORKSHOP SCHEDULE

**TUESDAY, MARCH 12, 2024**

WHITEBIRCH I & II			
9:00 AM	WORKSHOP REGISTRATION		
10:00 AM	<b>WELCOME AND OPENING REMARKS</b> Geoff Bitner, Assistant Director Office of Land Management		
10:15 AM	<b>MINNESOTA'S 3DGEO LIDAR DATA ACQUISITION AND USGS 3DEP PARTNERSHIP</b> Sean Vaughn		
11:15 AM	<b>HIGHWAY MADNESS</b> John McClellan		
12:15 PM	LUNCH IN MINNESOTA I & II		
	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
1:15 PM	<b>WEST LAKE DRIVE PRESCRIPTIVE ROW</b> Zachary Cronen Mike Ervin	<b>FIELD ERGONOMICS – PRESERVING YOUR BODY</b> Aaron Renneke	<b>STRATEGIES FOR EXTRACTING TOPOGRAPHIC FEATURES FROM LIDAR</b> Kyle Palmer
2:15 PM	<b>PREPARE DATA FOR THE FIELD WITH TRIMBLE BUSINESS CENTER</b> Jay Haskamp	<b>ETHICS – THIS MEANS YOU</b> Joshua Root	<b>OPENROADS DESIGNER SURVEY PROCESSING AND UNDERSTANDING TERRAIN MODELS</b> Mindy Scheurer
3:15 PM	BREAK IN MINNESOTA I & II		
3:30 PM	<b>ASPRS ACCURACY STANDARDS &amp; LIDAR MAPPING UPDATE</b> Colin Lee Christian Sovak Repeated at 8:00 AM 3/14	<b>REAL-TIME HYDRO SURVEYING WITH THE SEAFLOOR TRIDRONE AND TRIMBLE ACCESS</b> Weston Schneider *Boat Demo at Breezy Center Pool Following Presentation	<b>MOBILE MAPPING DATA APPLIED TO PAVEMENT MANAGEMENT</b> Michael Cook
4:30 PM	ADJOURN		
5:30 PM	DINNER IN MINNESOTA I & II		

# 2024 SURVEY TECHNICAL WORKSHOP SCHEDULE

**WEDNESDAY, MARCH 13, 2024**

6:45 AM BREAKFAST IN MARINA DINING ROOM			
	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
8:00 AM	<b>3D OFFICE FOR FIELD USERS</b> Justin Kraus	<b>ALTERNATIVE TECHNOLOGY TO SUPPORT THE REPLACEMENT OF THE CHEYENNE RIVER BRIDGE FOR SDOT</b> Jerry Ripley & Matt Vinopal	<b>ACCURACY STANDARDS AND REPORTING</b> Geoff Bitner
			Repeated at 8:00 AM 3/14
9:00 AM	<b>3D SURVEY FIELD</b> Justin Kraus	<b>GREEN LIDAR – NEW SURVEY TECH AND IT’S ROLE IN THE AERIAL SURVEY LANDSCAPE</b> Katy Rudolph Nathan Stephenson	<b>MATH REFRESHER (VERTICAL CURVES/ TRIGONOMETRIC RATIOS)</b> Sean Clark
10:00 AM BREAK IN MINNESOTA I & II			
10:15 AM	<b>ADA SURVEY DATA COLLECTION, PROCESSING AND STAKING</b> Chris Bischof, Dustin Kostreba, Tim Paul	<b>ADVANCED MOBILE AND AERIAL LIDAR DATA CAPTURE</b> Dustin Harr	<b>AN HOUR ABOUT HOURS: AN LSIT EXPERIENCE DISCUSSION</b> Melissa Holperin Mark Lundquist
11:15 AM	<b>PERSONAL SAFETY &amp; SITUATIONAL AWARENESS</b> Nick Kreft	<b>TECHNICAL COMPARISON OF LIDAR AND PHOTOGRAMMETRIC DRONE SURVEYS</b> Jeffrey Walsh	<b>PREPARING FOR NSRS2022 – WHAT SHOULD WE DO NOW?</b> Geoff Bitner
12:15 PM LUNCH IN MINNESOTA I & II			
1:15 PM	<b>TEMPORARY TRAFFIC CONTROL – WORKER SAFETY</b> Jeff Morey	<b>TRIMBLE CONTROLLERS, ACCESS UPDATES &amp; MEASURE CODES</b> Tony Edelbrock	<b>ASSET MANAGEMENT &amp; THE NV5 LIDAR PROJECT</b> Douglas Maki Josh Stearns
2:15 PM	<b>ORGANIZATIONAL HEALTH: A HOLISTIC APPROACH TO MENTAL HEALTH, STRESS MANAGEMENT, WELL-BEING, AND SAFETY</b> Debra Lindh, EdD	<b>PHOTOGRAMMETRY &amp; POINT CLOUD PROCESSING</b> Luis Rojas	<b>CONSTRUCTION STAKING ALONGSIDE MACHINE CONTROL</b> Justin Kraus
3:15 PM BREAK IN MINNESOTA I & II			
3:30 PM	<b>BUILDING TRUST AND RELATIONSHIPS THROUGH PSYCHOLOGICAL SAFETY</b> Debra Lindh, EdD	<b>TRIG LEVELING AND BEST PRACTICES</b> Dylan Jones Steve Richter	<b>CAPTURING THE WHOLE PICTURE</b> Bradford Folta
4:30 PM ADJOURN			
5:30 PM DINNER IN MINNESOTA I & II			

# 2024 SURVEY TECHNICAL WORKSHOP SCHEDULE

**THURSDAY, MARCH 14, 2024**

6:45 AM		BREAKFAST IN MARINA DINING ROOM	
	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
8:00 AM	<b>ACCURACY STANDARDS AND REPORTING</b> Geoff Bitner	<b>ASPRS ACCURACY STANDARDS &amp; LIDAR MAPPING UPDATE</b> Colin Lee Christian Sovak	
	REPEAT	REPEAT	
9:00 AM	<b>HARMFUL PLANTS, WORK SAFE AND YOU'LL BE FINE!</b> Dave Hanson	<b>DATUMS AND COORDINATE SYSTEMS</b> Geoff Bitner	
10:00 AM		BREAK IN MINNESOTA I & II	
WHITEBIRCH I & II			
10:15 AM	<b>THE SURVEY TECHNICIAN'S ROLE IN PRESERVING THE PUBLIC LAND SURVEY SYSTEM (PLSS)</b> Preston Dowell, Kory Thurnau, Patrick Veraguth		
11:30 AM		ADJOURN	