



2022 SURVEY TECHNICAL WORKSHOP SCHEDULE

TUESDAY, MARCH 15, 2022

WHITEBIRCH I & II			
9:00 AM	<i>WORKSHOP REGISTRATION</i>		
10:00 AM	<i>WELCOME AND OPENING REMARKS</i> Geoff Bitner, Assistant Director Office of Land Management		
10:15 AM	<i>LEWIS AND CLARK MAPPING</i> Don Borcharding		
11:15 AM	<i>EMBRACING THE PAST TO ACCELERATE THE FUTURE OF GNSS MEASUREMENT TECHNOLOGIES</i> Bob Green		
12:15 PM	LUNCH IN MINNESOTA I & II		
	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
1:15 PM	<i>HARNESSING THE POWER OF YOUR MOBILE DEVICE FOR SURVEYING</i> Dustin Harr	<i>STRINGLESS MILLING AND PAVING</i> Jim Linn Dan Schellhammer	<i>BASIC GEODESY AS IT RELATES TO SURVEYING</i> Geoff Bitner
		Repeated 3/15 at 3:30pm	Repeated 3/16 at 8:00 AM
2:15 PM	<i>CONSTRUCTION STAKING: BEST PRACTICES WHEN USING GNSS AND ROBOTIC TECHNOLOGY</i> Steve Richter	<i>2022 DATUM UPDATE</i> Geoff Bitner (On behalf of Dave Zenk)	<i>TopoDOT DEMONSTRATION OF AUTOMATIC FEATURE EXTRACTION FROM POINT CLOUD</i> Mike Cook
3:15 PM	BREAK IN MINNESOTA I & II		
3:30 PM	<i>STRINGLESS MILLING AND PAVING</i> Jim Linn Dan Schellhammer	<i>NEW COORDINATE SYSTEMS FOR 2022 & DEPRECIATION OF US SURVEY FOOT</i> Geoff Bitner	<i>FUTURE ADVANCES IN TOTAL STATION TECHNOLOGY</i> Tim Kerr
	Repeat		
4:30 PM	ADJOURN		
5:30 PM	DINNER IN MINNESOTA I & II		



SOFTWARE & EQUIPMENT DEMONSTRATION



2022 SURVEY TECHNICAL WORKSHOP SCHEDULE

WEDNESDAY, MARCH 16, 2022

6:45 AM BREAKFAST IN MARINA DINING ROOM			
	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
8:00 AM	CASE STUDY – LIDAR WORKFLOWS TESTED Jay Haskamp	BASIC GEODESY AS IT RELATES TO SURVEYING Geoff Bitner	SCHOOL TRUST LANDS Aaron Vande Linde
		Repeated	Repeated 3/16 at 2:15 PM
9:00 AM	SURVEYING SAFETY Jim Lonsky	HIGH ACCURACY DRONE SURVEYS Ladd Nelson Jeff Walsh	RESPONSIBILITIES FOR BOUNDARY EVIDENCE PERPETUATION ON CONSTRUCTION PROJECTS Sam Gibson
	Repeated 3/16 at 11:25	Repeated 3/17 at 8:00am	
10:00 AM BREAK IN MINNESOTA I & II			
10:15 AM	STRINGLESS (AMG) PAVING Aaron Lukes Jason Meihost	PLS Re-monumentation Legislation Chris Mavis Pat Veraguth	3D CONSTRUCTION SURVEYING OFFICE TO FIELD Justin Kraus Dylan Jones
	Repeat 3/16 at 1:15pm		
11:15 AM	SURVEY HISTORY OF THE STATE LINE BETWEEN WI AND MN ALONG THE ST. LOUIS RIVER BOUNDARY, PT 1 Anthony Lueck	POINT CLOUDS CASE STUDY Adam Smith	SURVEYING SAFETY Jim Lonsky
		Repeated on 3/16 at 3:30pm	REPEAT
12:15 PM LUNCH IN MINNESOTA I & II			
1:15 PM	SURVEY HISTORY OF THE STATE LINE BETWEEN WI AND MN ALONG THE ST. LOUIS RIVER BOUNDARY, PT 2 Anthony Lueck	MONITORING SOLUTIONS WITH TRIMBLE Tony Edelbrock Wes Schneider	STRINGLESS (AMG) PAVING Aaron Lukes Jason Meihost
			REPEAT
2:15 PM	SCHOOL TRUST LANDS Aaron Vande Linde	ZIEGLER CONSTRUCTION TECHNOLOGY SYSTEM UPDATES AND EMERGING TRENDS Will Connell Jim Linn Jeff Pauluk Chris Pelzel	CST PROGRAM OVERVIEW Rick Morey
	REPEAT		
3:15 PM BREAK IN MINNESOTA I & II			
3:30 PM	USING TRIMBLE SYNC FOR DATA MANAGEMENT Dylan Jones	PLSS SHORT CUT METHOD Pat Veraguth	POINT CLOUD CASE STUDY Adam Smith
			REPEAT
4:30 PM ADJOURN			
5:30 PM DINNER IN MINNESOTA I & II			



2022 SURVEY TECHNICAL WORKSHOP SCHEDULE

THURSDAY, MARCH 17, 2022

6:45 AM BREAKFAST IN MARINA DINING ROOM			
8:00 AM	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
	HIGH ACCURACY DRONE SURVEYS Ladd Nelson Jeff Walsh	NGS UPDATE Geoff Bitner (On behalf of Dave Zenk)	Tussio – IBLA Case Study Pete Jenkins
	REPEAT		
9:00 AM	RIGHT OF WAY PLAT MODERNIZATION Geoff Bitner	ETHICS PANEL DISCUSSION Bryan Balcome Sam Deleo David Meyers Rick Morey	INTERPRETING TOPOGRAPHIC AND ROADSIDE FEATURES FOR OPTIMAL SNOW FENCE PLACEMENT Trent Robbins
10:00 AM BREAK IN MINNESOTA I & II WHITEBIRCH I & II			
10:15 AM	WOODY PLANTS ON MINNESOTA'S NOXIOUS WEED LIST David Hanson		
11:15 AM	3D VISUALIZATION TECHNOLOGY: ARE YOU ALL IN OR A NAYSAYER? Jeff Christiansen		
12:15 PM ADJOURN			

SOFTWARE & EQUIPMENT DEMONSTRATION