











Wisconsin Lidar Training Needs Community Survey Results, October 26, 2016

The State Cartographer's Office at UW-Madison, in collaboration with the Wisconsin Department of Administration, is considering developing a short workshop entitled "Introduction to Lidar Data Processing." This workshop would provide attendees with a hands-on introduction to selected airborne lidar data processing methods using recent lidar datasets for Wisconsin.

Would such a workshop be of value to you or someone you supervise?







#	Answer	Bar	Response	%
1	Yes		238	92.97%
2	No		0	0.00%
3	Maybe/not sure (please explain)		18	7.03%
	Total		256	100.00%

Which of the following topics would be of value? (Choose as many as you want.)

#	Answer	Bar	Response	%
1	What is lidar?		49	21.21%
2	Format of lidar data		145	62.77%
3	How is lidar used by local, state, federal and private users in Wisconsin?		146	63.20%
4	Working with lidar using ArcGIS desktop and 3D Analyst		207	89.61%
5	Working with lidar using open source software		107	46.32%
6	Developing your own lidar data acquisition project		73	31.60%
7	Lidar accuracy reports and metadata		138	59.74%
8	Other (please specify)		16	6.93%
	Total		881	100.00%




Other category includes: Terrestrial lidar; Using lidar in CAD; Using lidar in AutoCAD Civil 3D; Using lidar in ArcGIS Pro; Using lidar in Blue Marble; Limitations of lidar; Soft- vs. hard-surface accuracy; engineering vs. planning accuracy; Data density and accuracy; Industry needs and skills for lidar; Lidar for floodplan management; Classifying lidar data; Point clouds from Structure from Motion; Terrestrial vs. mobile vs. aerial lidar data.

Which of the following lidar applications are of interest to you? (Choose as many as you want.)



#	Answer	Bar	Response	%
1	Hydrological		153	66.23%
2	Forestry		99	42.86%
3	Emergency management		103	44.59%
4	Planning and zoning		157	67.97%
5	Land and water conservation		165	71.43%
6	Other (please specify)		37	16.02%
	Total		714	100.00%

Other category includes: Wetlands; Surface water mapping; Water quality; Utilities; Transportation; Topographic mapping; Surveying and mapping; Site development; Property assessment and encroachment; Pavement evaluation; Land use planning; Land and water conservation; Structure identification; Grading; Geosciences; Geomorphology; Archaeology; Landscapes; Engineering design; Emergency management; Ecology; DEMs; Cultural/historic preservation; Asset management; Agriculture; 3D printing.




From your perspective as a potential attendee, or someone who might send staff to this workshop, is 1-1/2 days an appropriate amount of time?

#	Answer	Bar	Response	%
1	Yes, this is an appropriate amount of time.		174	75.98%
2	No, this is too much time. I want something shorter.		35	15.28%
3	No, this is not enough time. I want a longer course.		20	8.73%
	Total		229	100.00%




From your perspective, does the Madison location make attending the workshop prohibitive due to the travel and/or cost involved?

#	Answer	Bar	Response	%
1	The location would make it very difficult to attend.		16	7.05%
2	The location is not ideal, but attendance would still be possible.		66	29.07%
3	The location would not pose any problems for attendance.		135	59.47%
4	Other (please specify)		10	4.41%
	Total		227	100.00%




Does the in-person format of the workshop seem appropriate to you?

#	Answer	Bar	Response	%
1	Yes, it seems appropriate.		198	86.09%
2	No, I would rather see this being offered online.		14	6.09%
3	Other (please specify)		18	7.83%
	Total		230	100.00%



We hope to offer the workshop during the week of March 18-26, 2017. Would you (or your staff) be able to attend that week?

#	Answer	Bar	Response	%
1	Yes, this week is OK.		196	85.96%
2	No, this week would not work.		8	3.51%
3	Other (please specify)		24	10.53%
	Total		228	100.00%




Do you currently have access to ArcGIS 3D Analyst?

#	Answer	Bar	Response	%
1	Yes		144	63.16%
2	No		54	23.68%
3	Not sure/sort of (please specify)		30	13.16%
	Total		228	100.00%








Would it be beneficial to you if this workshop carried CEUs (continuing education units)?

#	Answer	Bar	Response	%
1	Yes		87	41.04%
2	No		125	58.96%
	Total		212	100.00%

In order to recover costs, it is necessary for us to charge a fee for this workshop. How much would you consider paying for this workshop?

#	Answer	Bar	Response	%
1	I would not be able to pay for this workshop		30	13.70%
2	Less than \$250		157	71.69%
3	\$250 to \$500		32	14.61%
4	Over \$500		0	0.00%
	Total		219	100.00%

What is your affiliation?

#	Answer	Bar	Response	%
1	Student		21	9.17%
2	Educator		17	7.42%
3	Local government		79	34.50%
4	Private sector		29	12.66%
5	Non-profit		6	2.62%
6	Other (please specify)		12	5.24%
7	State government		50	21.83%
8	Regional government		12	5.24%
9	Federal government		3	1.31%
	Total		229	100.00%

Other category includes: University alumnus; Federal contractor; Utility; Independent contractor; Researcher; Tribal government.