

Topical Workshops, Symposia, and Conferences (TWSC) ASU / USGS

Location: Bateman Physical Sciences, H-wing, Rm H-461

Dates: May 20 – 23, 2025

Workshop - Schedule

Monday, May 19: Travel Day to ASU

Tuesday, May 20: Welcome & JMARS

8:30 – 8:45	Welcome, Introductions, Overview	Dr. David Williams, ASU
8:45 – 10:15	Introduction to JMars JMARS History; Basic UI Overview; Tools and Customization; Adding Additional Layers; Map Data	Scott Dickenshied, ASU
10:15 – 10:30	Break	
10:30 – 11:30	Stamp Data	
11:30 – 11:45	Q&A / Comments before Break	
11:45 – 1:15	Lunch Break → see Restaurant location map	
1:15 – 2:30	Shape Data; Crater Counting; Modelling Layers;	
2:30 – 2:45	Break	
2:45 – 4:30	Landing Site Analysis; Viewing 3D Data	
4:30 – 5:00	Final Q & A	
	Closing Comments	
	End of workshop day	

Wednesday, May 21: ArcGIS Pro

8:30 – 8:45	Welcome, Overview	
8:45 – 10:15	Lecture: What is GIS? Exercise 1: The Interface	David Nelson, ASU
10:15 – 10:30	Break	
10:30 – 11:30	Exercise 1: The Interface, continued Exercise 2: Working With Raster data	
11:30 – 11:45	Q&A / Comments before Break	
11:45 – 1:15	Lunch Break → see Restaurant location map	
1:15 – 2:30	Exercise 2: Working with Raster data, continued Exercise 3: Working with Vector data	
2:30 – 2:45	Break	
2:45 – 4:30	Exercise 3: Working with Vector data, continued Exercise 4: Working with combined datasets (Possible Ex 5: Map Layout)	
4:30 – 5:00	Final Q & A	
	End of workshop day	

Thursday, May 22: ISIS 3 for Image Processing

8:30 – 8:45	Welcome, Overview	
8:45 – 10:15	Lecture: ISIS3 software and environment; data formats	David Nelson, ASU
10:15 – 10:30	Break	
10:30 – 11:30	Lecture: Command line and GUI; image processing (Levels 0-4): ingestion, calibration, and mosaicking	
11:30 – 11:45	Q&A / Comments before Break	
11:45 – 1:15	Lunch Break → see Restaurant location map	
1:15 – 2:30	Zoom lecture: Planetary Data Management	Marc Hunter, USGS
2:30 – 2:45	Break	
2:45 – 4:30	Zoom lecture: Intro to the Planetary Data System	Trent Hare, USGS
4:30 – 5:00	Final Q & A	
	Closing Comments	
	End of workshop day	

Friday, May 23: Introduction to Planetary Mapping

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| 8:30 – 8:45 | Welcome, Overview | |
| 8:45 – 10:15 | Lecture/Demo: Photogrammetry | Dr. David Williams, ASU |
| 10:15 – 10:30 | Break | |
| 10:30 – 11:30 | Lecture/Demo: Photogrammetry | |
| 11:30 – 11:45 | Q&A / Comments before Break | |
| | Closing Comments | |
| | End of workshop | |